



August 21, 1981

State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

Re: Application for Permit to Drill
South Pine Ridge Unit No. 7-6
Section 6-T30S-R25E
San Juan County, Utah

Gentlemen:

Enclosed is a copy of our Application for Permit to Drill on the above-referenced well. We have filed the original application with the U. S. Geological Survey.

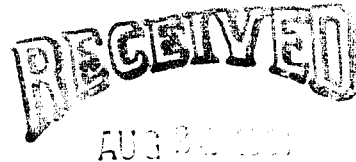
I understand there is no permit fee necessary for this application.

Should you need any further data, please advise.

Sincerely,

Mary Kay Cornelius
Production Clerk

MKC
Enclosure



DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

C & K Petroleum, Inc.

3. ADDRESS OF OPERATOR

1125-17th Street, Suite 2040, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1600' FNL & 1820' FEL, Section 6-T30S-R25E

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Location is 6½ miles south, southeast of LaSal, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

1600'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

2278.56

19. PROPOSED DEPTH

5000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6978' GR

22. APPROX. DATE WORK WILL START*

September 15, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15	10-3/4	32.75	300	Cement to surface
9-7/8	8-5/8	32.0	2800	No. of sacks to be determined later as per Caliper log.
7-3/4	5-1/2	15.5	5000	Cover all possible pay zones

C & K Petroleum, Inc., proposes to set 300' of 10-3/4", 32.75#, K-55, ST&C surface casing in a 15" pilot hole drilled to 300' using air or mist (mudding up only if necessary) and cementing same to surface. A 9-7/8" hole will then be drilled to approximately 2800' using air or mist. If necessary to mud up, we will use a LSND mud keeping the mud weight at 8.6-8.8 ppg, viscosity at 35-40 sec. and water loss at 10-20 cc. An 8-5/8" casing will be set and cemented to surface. A 7-3/4" hole will be drilled to a 5000' TD with air or mist. If necessary to mud up, we will use a system lightly treated with lignosulfonate. All shows of oil and/or gas will be drill stem tested, and all porosity zones will be evaluated from electrical logs. If production is indicated, 5-1/2" casing will be set through to TD. All productive zones will be adequately cemented.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Rick L. Kirby

TITLE

Regional Field Superintendent

DATE

August 20, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

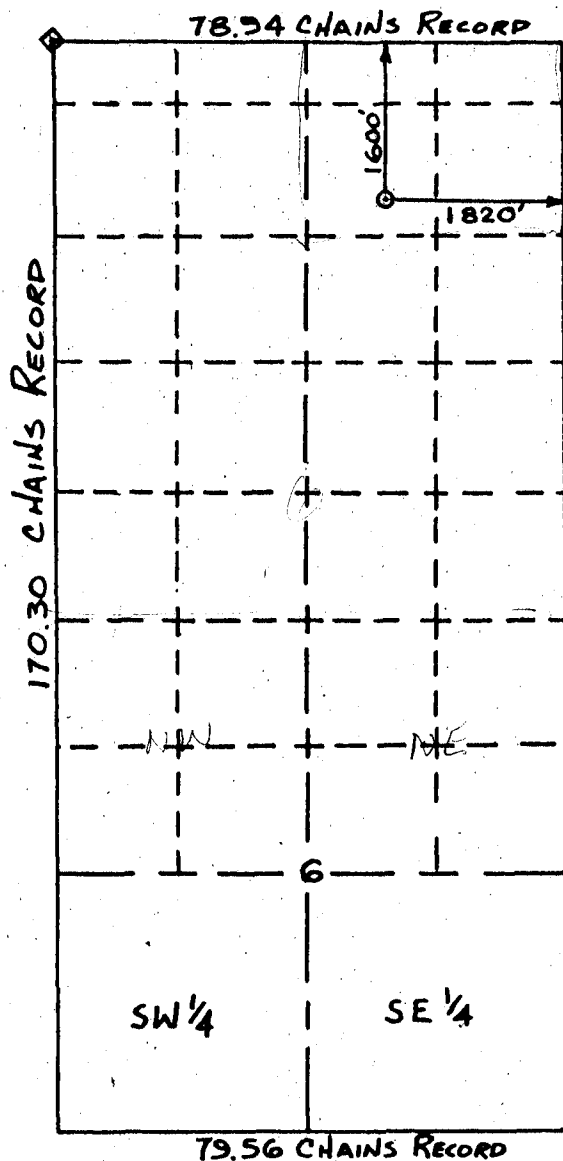
OF OIL, GAS, AND MINING

DATE 9-10-81

BY: M. J. Menden

*See Instructions On Reverse Side

May not be air drilled into any potential
H/S zone, requires proper



GR. ELEV. @
LOCATION = 6978'

Scale... 1" = 2000'

Powers Elevation of Denver, Colorado
has in accordance with a request from Rich Kirby
for C & K PETROLEUM
determined the location of SOUTH PINE RIDGE UNIT 7-6
to be 1600' FNL - 1820' FEL
Range 25 EAST
Section 6 Township 30 South
SALT LAKE Meridian
SAN JUAN County, UTAH

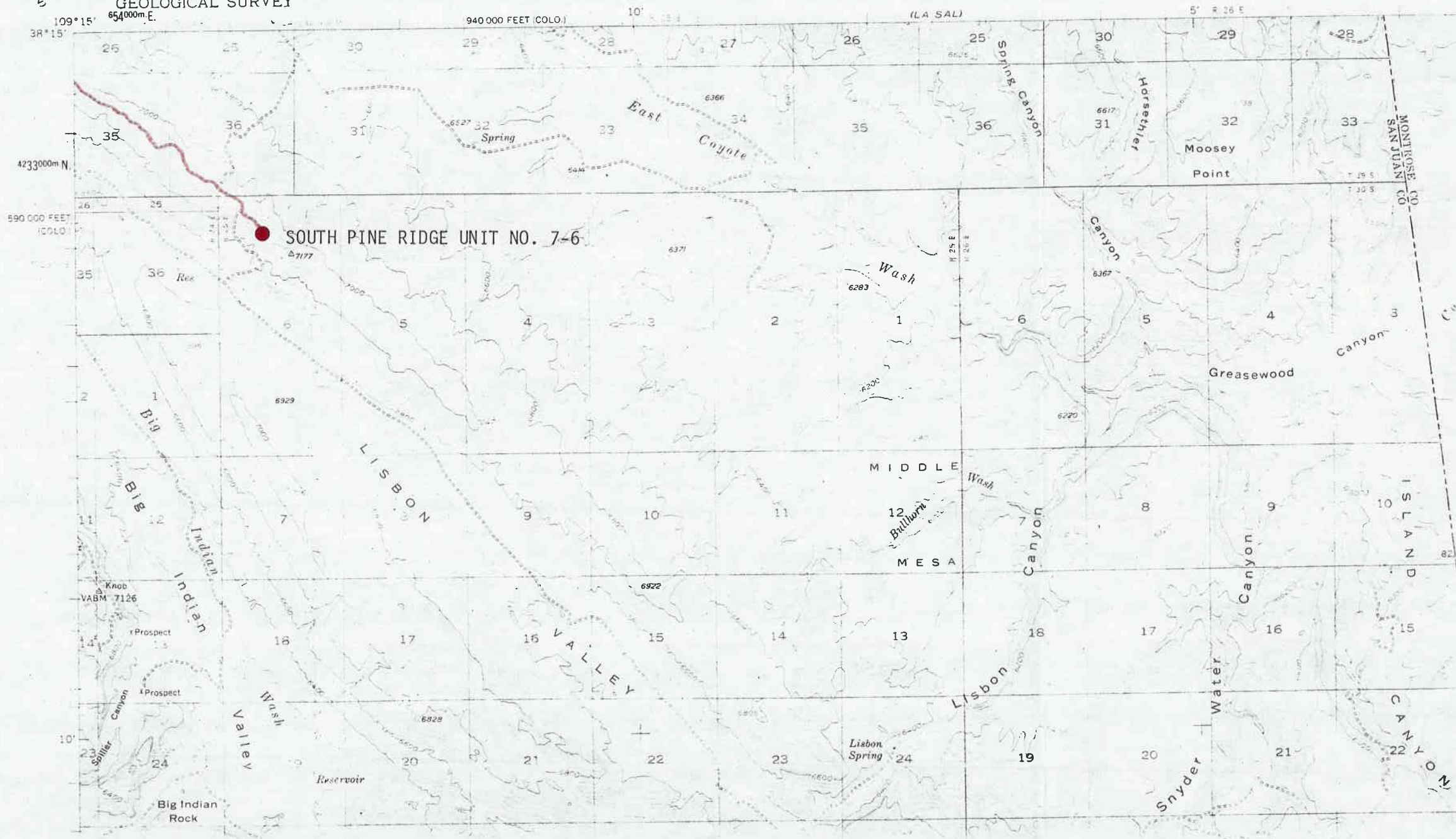
I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of

Date: JULY 21, 1981

T. H. Kirby
Licensed Land Surveyor No. 2711
State of UTAH

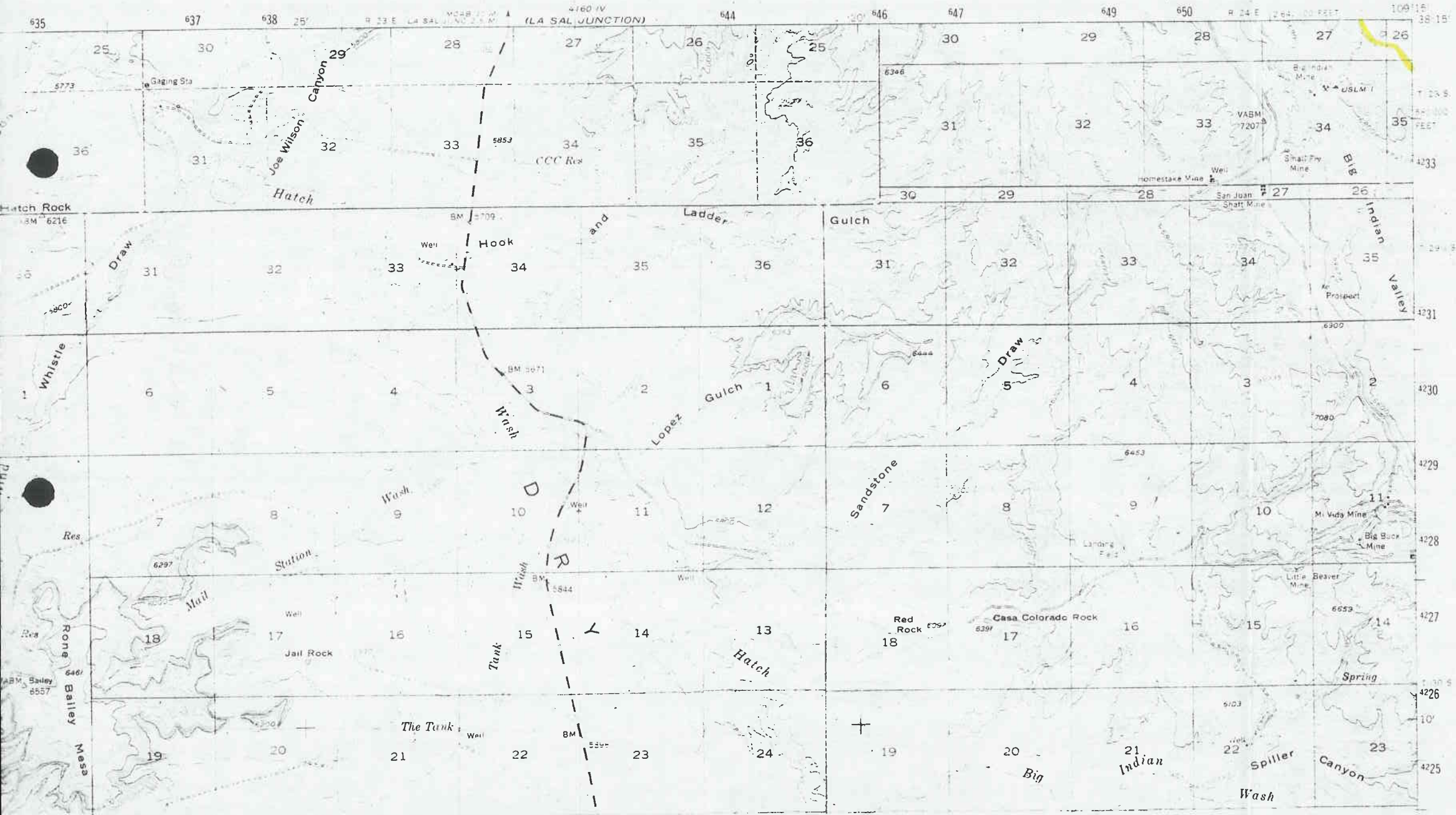
LISBON VALLEY QUADRANGLE

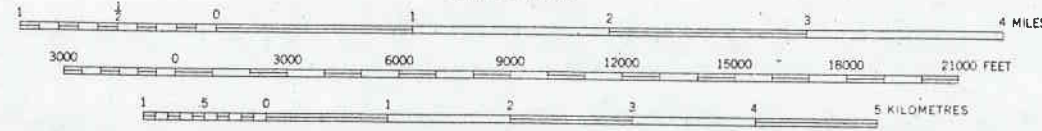
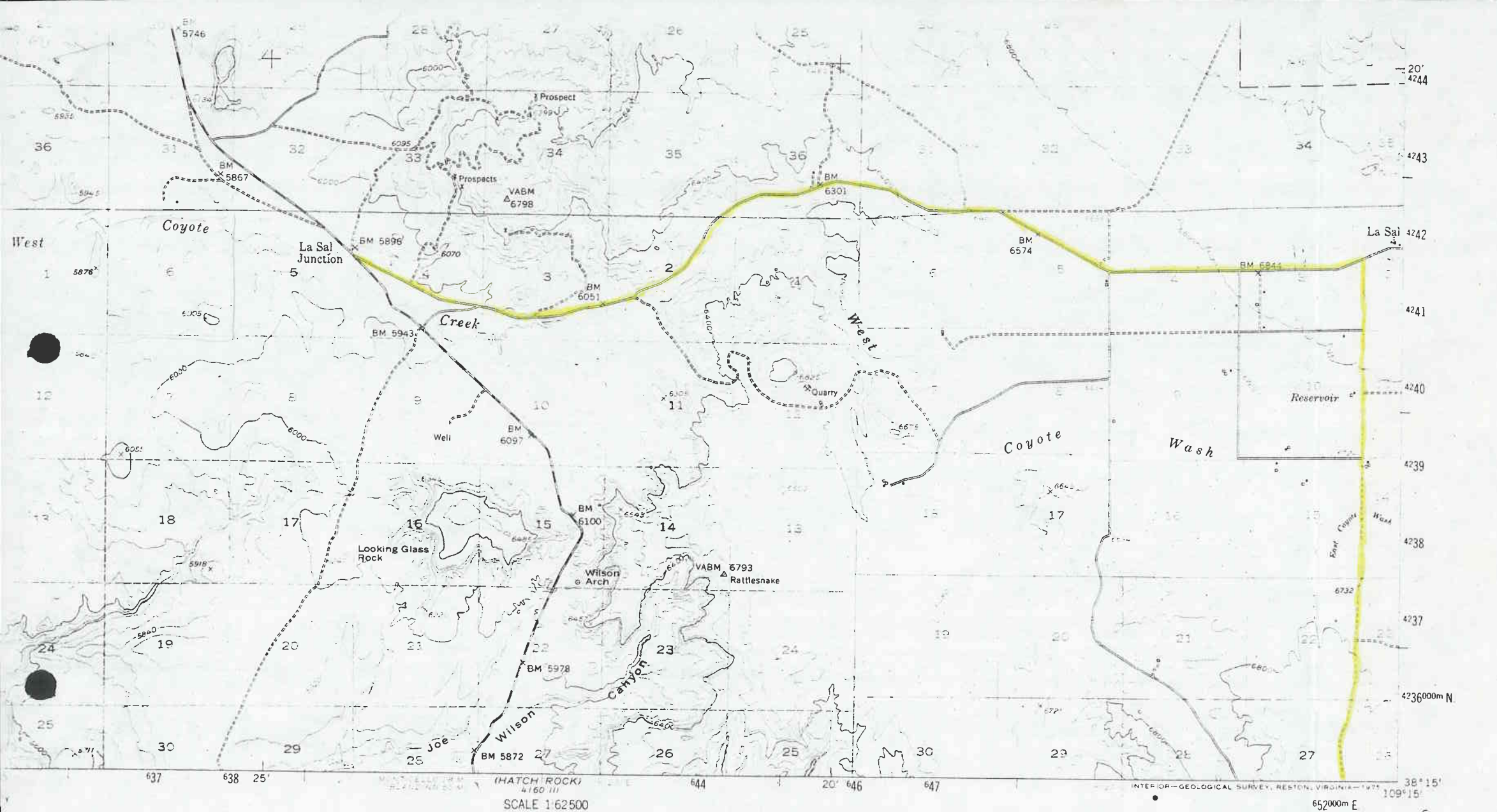
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



HATCH ROCK QUADRANGLE
UTAH—SAN JUAN CO.
15 MINUTE SERIES (TOPOGRAPHIC)

4100'
(LA SAL)





CONTOUR INTERVAL 80 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
Medium duty ——— Light duty ———
Unimproved dirt - - - - -
U.S. Route State Route



LA SAL JUNCTION, UTAH
N3815-W10915/15

1954

AMS 4160 IV-SERIES V797

UTM GRID AND 1954 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

South Pine Ridge Unit No. 7-6
1600' FNL & 1820' FEL
Section 6-T30S-R25E
San Juan County, Utah
Federal Lease No.: U-16577

Continuation of Form 9-331-C
Page Two

1. Geologic surface name: Dakota

2. Estimated tops of important geologic markers:

Dakota	Surface	Chinle	1350'
Morrison	200'	Moenkopi	1750'
Entrada	700'	Hermosa	2800'
Kayenta	850'	"A" Marker	3300'
Wingate	1050'	La Sal	4300'

2430' surface
2800'

3. Estimated depths at which anticipated water, oil or other mineral bearing formations are expected to be encountered: The primary objective is the La Sal formation. No fresh water sands are anticipated in the well bore.
4. Proposed casing program: Surface - 10-3/4", H-40, 32.75#, new casing cemented at 300'. Cement circulated to surface. Intermediate - 8-5/8", K-55, 32#, new casing set at 2800'. Cement program to be determined later. Production - 5-1/2", K-55, 15.5#, new casing. Cement will be in an amount calculated to cover all possible pay zones.
5. Operator's minimum specifications for pressure control equipment: Pressure control equipment - see diagram. Preventer stack, rotating head and manifold will have 3000 psi W.P. BOP's will be tested and inspected daily for operation. All equipment will be pressure tested prior to drilling plug to 70% of casing burst or the working pressure of the BOP's.
6. Type and characteristics of the proposed circulating mediums to be employed for rotary drilling and quantities and types of mud and weighting material to be maintained:

0' - 300'	Attempt to drill with air. If necessary to mud up, maintain mud weight at 8.6 to 8.8 ppg and viscosity at 38-40 sec.
300' - 2800'	Attempt to drill with air or KCl mist. If necessary to mud up, use a low solids, non-dispersed system. Maintain mud weight at 8.6-8.8 ppg, viscosity at 35-40 sec. and water loss at 10-20 cc.
2800' - 5000'	Attempt to drill with air or KCl mist. If necessary to mud up, use a system lightly treated with ligno-sulfonate. Maintain mud weight at 8.8-9.0 ppg, viscosity at 40-44 sec. and fluid loss at 8-10 cc. If loss of circulation becomes a problem, aerate mud system to an effective weight of 5-6 ppg.

South Pine Ridge Unit No. 7-6
1600' FNL & 1820' FEL
Section 6-T30S-R25E
San Juan County, Utah
Federal Lease No.: U-16577

Continuation of Form 9-331-C
Page Three

7. Auxiliary equipment to be used: Rig will be equipped with Kelly cock, bit float and sub with full opening valve to be stabbed in drill pipe. H₂S safety equipment will be on location during drilling operations.
8. Testing, logging and coring programs: Drill stem testing and logging programs are shown on Form 9-331-C. No cores are anticipated.
9. Anticipated abnormal pressures or temperatures or potential hazards: No abnormal pressures or temperatures are expected. Hydrogen sulfide may be encountered during drilling operations. H₂S monitor and safety equipment will be on location. ✓
10. Anticipated starting date and duration of operations: It is anticipated that drilling will commence on September 15, 1981, and drilling and completion will continue for 90 days.

South Pine Ridge Unit No. 7-6
1600' FNL & 1820' FEL
Section 6-T30S-R25E
San Juan County, Utah
Federal Lease No.: U-16577

SURFACE USE AND OPERATIONS PLAN

1. Existing roads:

- A. Proposed well site as staked in location referenced above. Refer to survey plat and topographic map.
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: From the intersection of U. S. 160 and Utah 46, proceed 8.7 miles east to a paved road. Turn south on paved road for 0.5 miles where road turns to gravel. Continue on gravel road three miles south until reaching a "Y" in the road. Stay left and continue 0.8 miles south. Turn left (east) on a gravel road and proceed 2.9 miles to the proposed location.
- C. The graveled roads are color-coded in yellow and labeled.
- D. From the intersection of U. S. 160 and Utah 46, the roads are well maintained, paved and graveled for 13 miles.
- E. Plans for improvement and maintenance of existing roads: The remaining 2.9 miles of existing access road will need blading.

2. Planned access roads:

- A. Show all necessary roads to be constructed or reconstructed: An access road to the South Pine Ridge Unit No. 7-6 well location will not be needed as the proposed location is adjacent to the existing road. No turnouts or surfacing materials will be needed. No major cuts or fills will be necessary. Three cattle guards will be needed to cross three fences encountered along the planned access roads. This portion of the access road (containing cattle guards) is marked in red on the topographic map.

3. Location of existing wells:

- A. There is a well located 1.8 miles to the northwest of the South Pine Ridge Unit No. 7-6 location. This well is the Pennzoil No. 1 La Sal and it is a dry hole.

4. Location of existing and/or proposed facilities:

- A. There are no production facilities owned or controlled by the operator within a one mile radius of this location.
- B. If the well is productive, new facilities will be as follows: (1) Production facilities will occupy solid ground on cut area of drill pad as flagged (see plat), (2) Dimensions of facilities (refer to exhibit No. 1), (3) Construction methods and materials - a tank battery will be constructed according to U.S.G.S. specifications. Water produced will be contained in a pit as per NTL-2B guidelines. All connection work will be done by an oilfield service company using standard oilfield materials. Gravel, clay or other construction materials not available from the site will be imported from nearby locations if necessary, (4) Protective measures and devices to protect livestock and wildlife - the drilling reserve pit will be fenced to protect animals until it can be properly restored. The reserve pit will be fenced on three sides while drilling and the remaining side after the rig moves off location.
- C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed (see Part 10, "Plans for restoration of the surface").

5. Location and type of water supply:

- A. Water will be obtained from the Rattlesnake Ranch. Mr. Blankenagel is the owner of the ranch. Water will be hauled to location by truck. No water well is contemplated.

6. Source of construction materials:

- A. It is anticipated that materials for construction will be derived from cuts on the location. If additional fill, topsoil or other earth materials are required, they will be purchased from the dirt contractor. Cattle guards and fencing material will be obtained from an appropriate supplier.
- B. All affected land is owned by the Federal government.
- C. Gravel and other earth materials, if required, will be obtained from the dirt contractor. Materials will be purchased from the nearest sand and gravel quarries. Earth materials will be hauled via truck over existing roads.

7. Methods for handling waste disposal:

- A. Well cuttings will be disposed of in the reserve pit and covered upon completion of well. Mud sacks and other flammables will be burned in refuse pit, other refuse will be buried at a depth below three feet. Oil will be removed, if any, (or covered with dirt if small quantity). Prior to oil removal, pit will be flagged for bird protection. The water will be evaporated. Drilling fluids and mud chemicals will be covered in reserve pit after pit has dried. At least one-half of mud pit depth will be below ground level. Sanitation will be by portable toilet and drained to temporary septic holes and then buried at the conclusion of operations.
- B. Prior to the onset of drilling, a "stock tight" fence shall be installed on three sides of the reserve pit.
- C. After the well has been completed, the mud pit will be fenced on four sides until the pit is enclosed. The mud pit will be allowed to dry completely before being covered.
- D. The trash pit will be totally enclosed with chicken wire. This will be done prior to the onset of drilling.
- E. Upon completion of drilling, the site and surrounding area will be cleaned up. Collected refuse will be removed from the site. The reserve pit will be fenced until such time that it can be filled and leveled (see Part 10 of the Plan).

8. Ancillary facilities:

- A. There will be no camps, air strips or other ancillary facilities.

9. Well site layout:

- A. Cross section of drill pad with cuts and fills (see cross-section).
- B. Location of mud tanks, reserve pit, pumps, trash cage, pipe racks, fuel tanks and other facilities (refer to exhibit No. 2).
- C. Rig orientation, parking area (refer to exhibit No. 2).
- D. Statement regarding pit lining - if the natural lining of the reserve pit is too porous to hold fluids, it will be lined with bentonite, otherwise, the reserve pit will be unlined.

10. Plans for restoration of surface:

- A. In the event the well is completed for production, that part of the pad not used for production facilities will be reclaimed. As soon as practical after well completion, the site will be cleared of all debris, which will be hauled from the area and disposed of at a sanitary landfill. The reserve pit, fenced on three sides during drilling operations, will be fenced on the fourth side to prevent wildlife from entering the pit area. Oil accumulations on the reserve pit will be removed. After reserve pit contents have been removed or evaporated, the pit will be backfilled and phased into the recontouring of the site. Cut and fill areas of the pad will be regraded as nearly as practical to the original contours of the area. The recontoured areas will be treated so that slopes conform to adjacent, undisturbed topography. The recontoured area will be uniformly covered with stockpiled topsoil, compacted, disked and seeded in accordance with BLM stipulations. If a dry hole results from drilling, the entire pad area will be reclaimed in a manner similar to that outlined above. A dry hole marker would be erected at the well site.
- B. After the well stops producing, the remainder of the site will be reclaimed. The tank battery would be dismantled, water pit backfilled and fencing and other materials or debris removed from the location. The area would then be ripped, disked and seeded according to BLM recommendations.
- C. Timetable for commencement and completion of rehabilitation operations - assuming drilling and completion operations will be final in the winter of 1981, rehabilitation will commence the following spring, approximately April 1, 1982. Reestablishment of prepad contours, topsoiling and seeding should be completed by May 1, 1982.

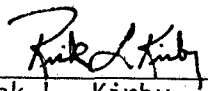
11. Other information:

- A. The location selected is on the northeast flank of a gently sloping northwest-southeast trending ridge. The surface and mineral rights are Federal.
- B. There are several intermittent streams within a two mile radius. There are no occupied dwellings within a two mile radius. To my knowledge, there are no known archeological, historical or cultural sites in the immediate surrounding area.

South Pine Ridge Unit No. 7-6
Surface Use and Operations Plan
Page Five

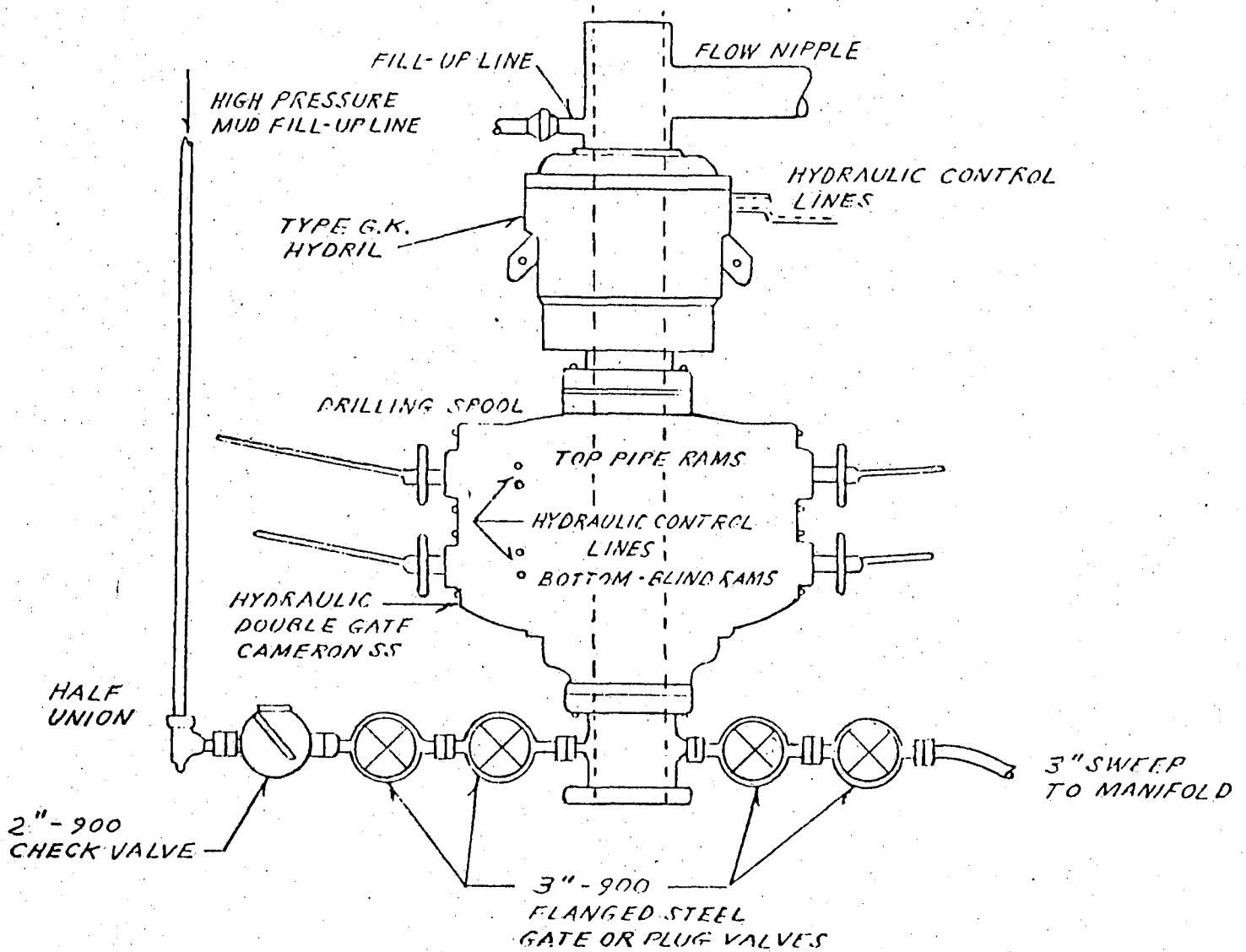
- C. Plant growth is primarily grass and sagebrush. The soil is mostly sandy clay. Animals of the area include deer, antelope, coyotes, rabbits and rodents.
 - D. Precautions will be taken to prevent wildfire.
12. Lessee's or operator's representative:
- A. A local representative will be Rick L. Kirby, 1125 - 17th Street, Suite 2040, Denver, Colorado, 80202. Phone: (303) 893-1010.
13. Certification:
- A. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by C & K Petroleum, Inc., and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

August 5, 1981



Rick L. Kirby
Regional Field Superintendent
C & K Petroleum, Inc.

TYPICAL
12" - 900 ROP Stack





RIG 70

3400 Anaconda Tower, Denver, Colorado 80202

Phone: (303) 571-1041

Casper, Wyoming Field Office
 Phone: (307) 235-5751
 (307) 235-6628

Farmington, New Mexico Field Office
 Phone: (505) 327-5025

Operations Managers:
 R. C. (Red) Rider & Bill Summers

Operations Manager: Joe Weisgerber

DRAWWORKS: Cardwell KW-250 Drive-In Rig. Parkersburg 15" double hydromatic brake, 1" drilling line.

RIG POWER: 1 - 12V-71 Detroit 450 HP at 2200 RPM.

DERRICK: 96' Cardwell Angle Iron 200,000# GNC with 9' substructure.

MUD PUMPS: G.D. PZ7 (7 x 7) 550 HP driven by D-379 Cat. engine.

MUD TANKS: 1 steel pit - 330 bbl. capacity.

WATER TANKS: 1 steel pit - 380 bbl. capacity.

LIGHT PLANTS: 1 - 70 KW with GMC 4-71 engine.

RIG HEATING: 35 HP Tex Steam boiler.

DRILL STRING: 4" 14.00# Grade "E" drill pipe & drill collars as required for normal hole sizes.

BOP EQUIPMENT: 10" 3000# WP double gate. 3" 3000# WP manifold. Kelly cock. ✓
 Floor safety valve. 3-station Hydril 80 gallon accumulator.

MUD MAINTENANCE

EQUIPMENT: Link Belt 145 shale shaker. Demco 4-cone desander with 6 x 8 centrifugal pump driven by GMC 4-71 engine.

TRAVELING

EQUIPMENT: 150 ton McKissick 4-sheave block. 100 ton Web Wilson hydralhook. 150 ton National type "F" swivel.

OTHER: 17½" Oilwell rotary table, type "B" tongs, automatic driller, 4,000 gallons diesel storage.

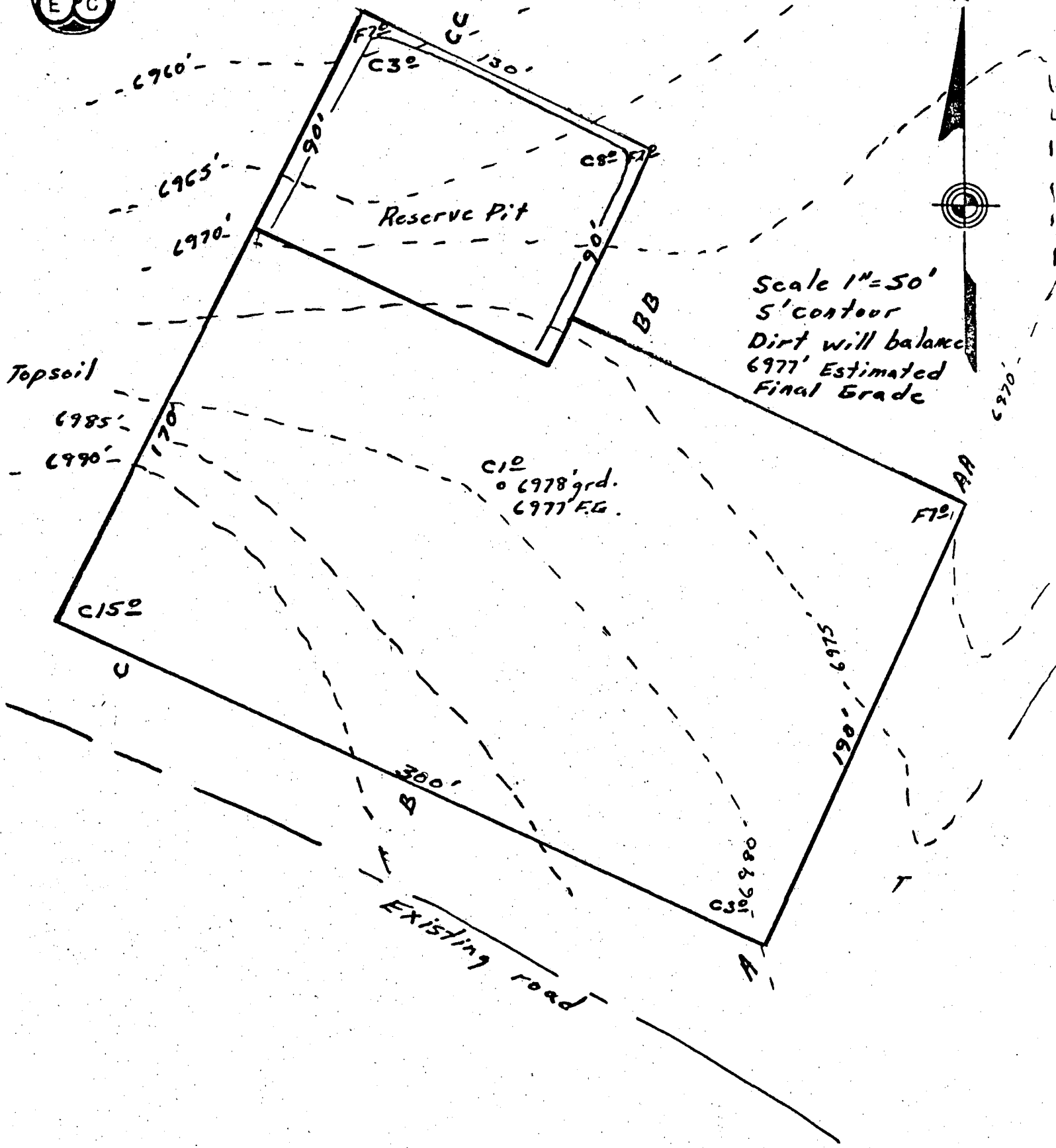
Rig can drill effectively to 6,200 feet with 4" drill pipe.

Toolpusher _____

February, 1979



POWERS ELEVATION



Scale 1"=50'
5' contour
Dirt will balance
6977' Estimated
Final Grade

C12
6978' grd.
6977' F.G.

Existing road



POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
800 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

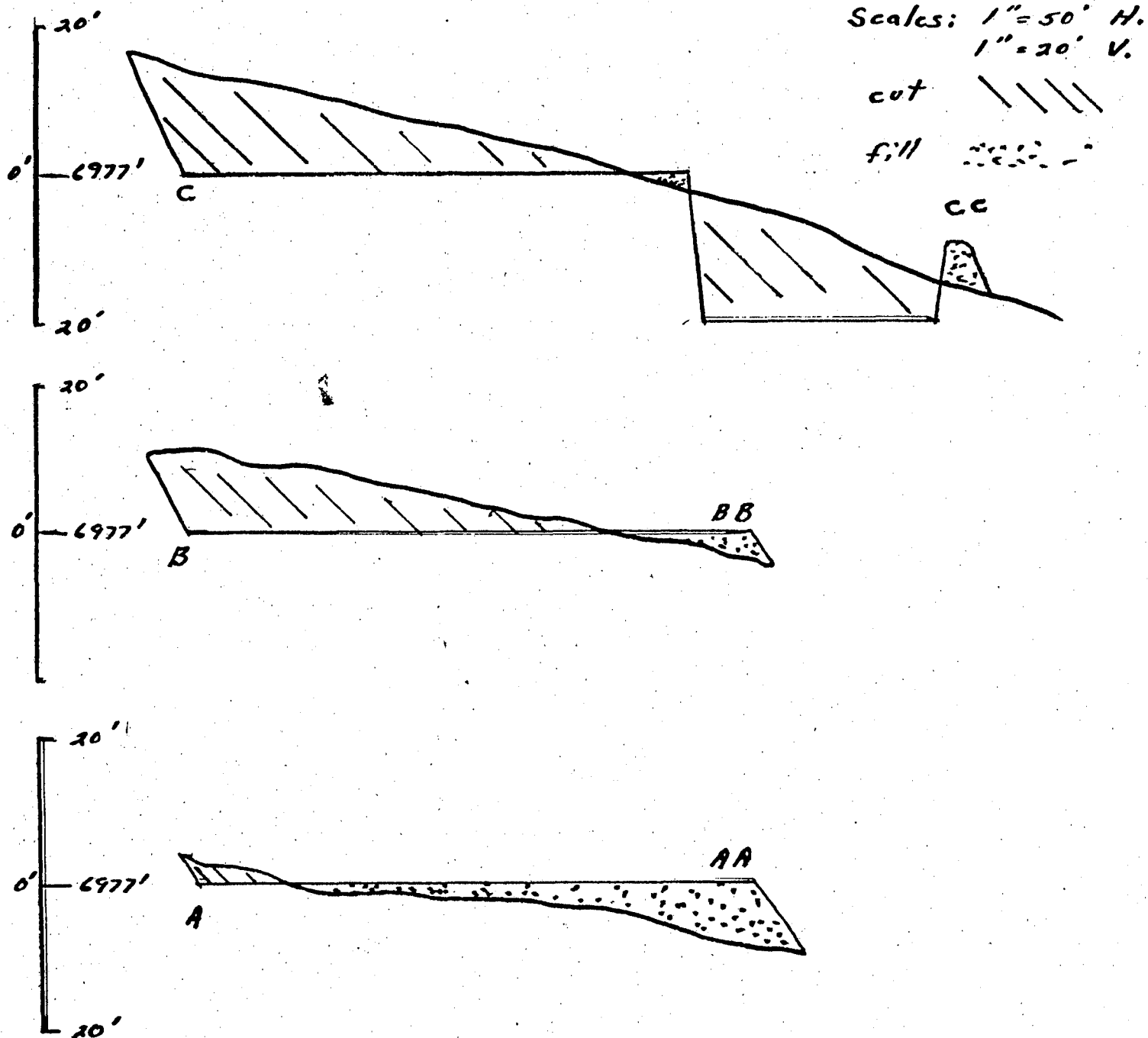


EXHIBIT NO. 1

PRODUCTION FACILITIES SCHEMATIC

SCALE: 1" = 50'

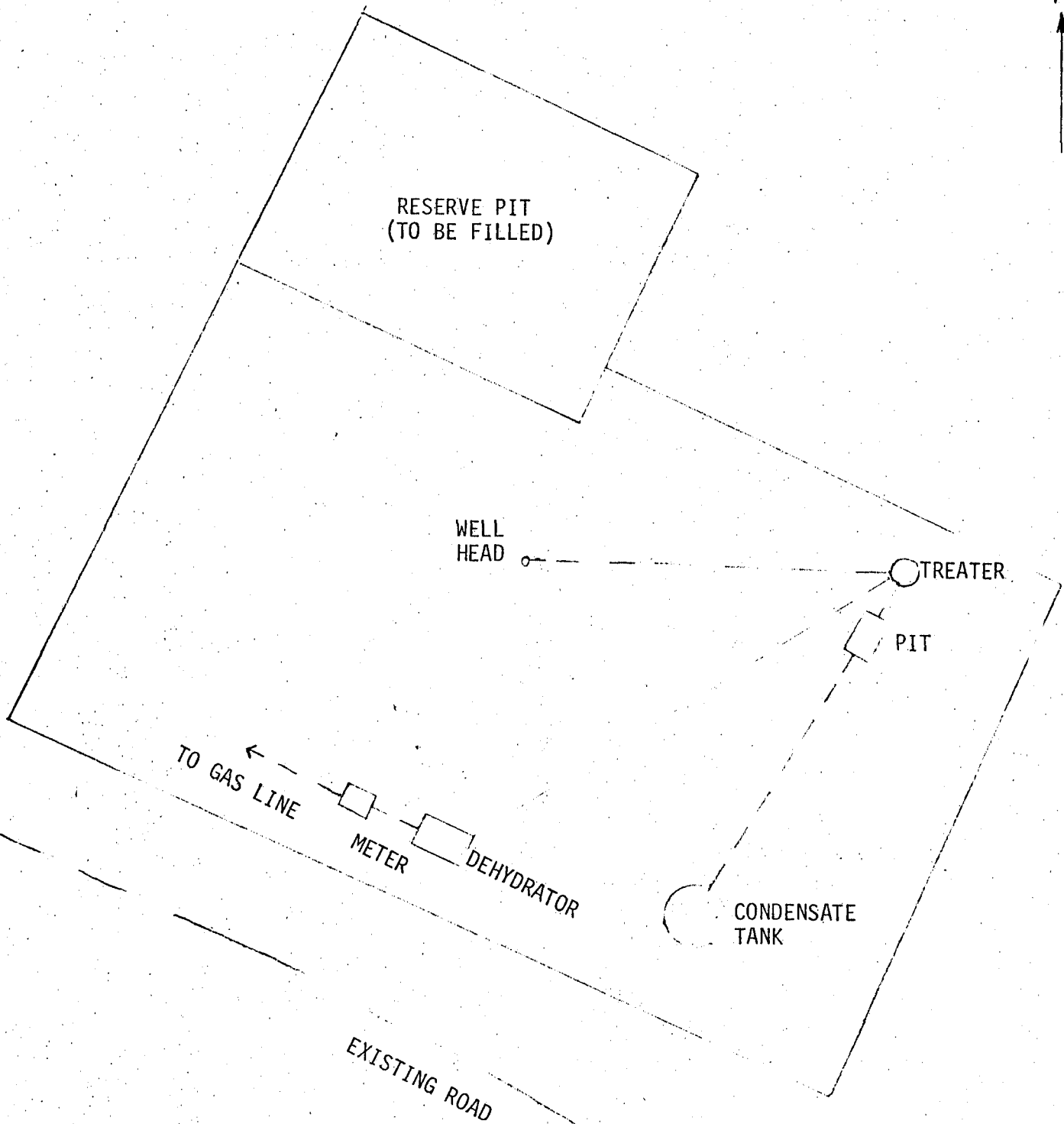
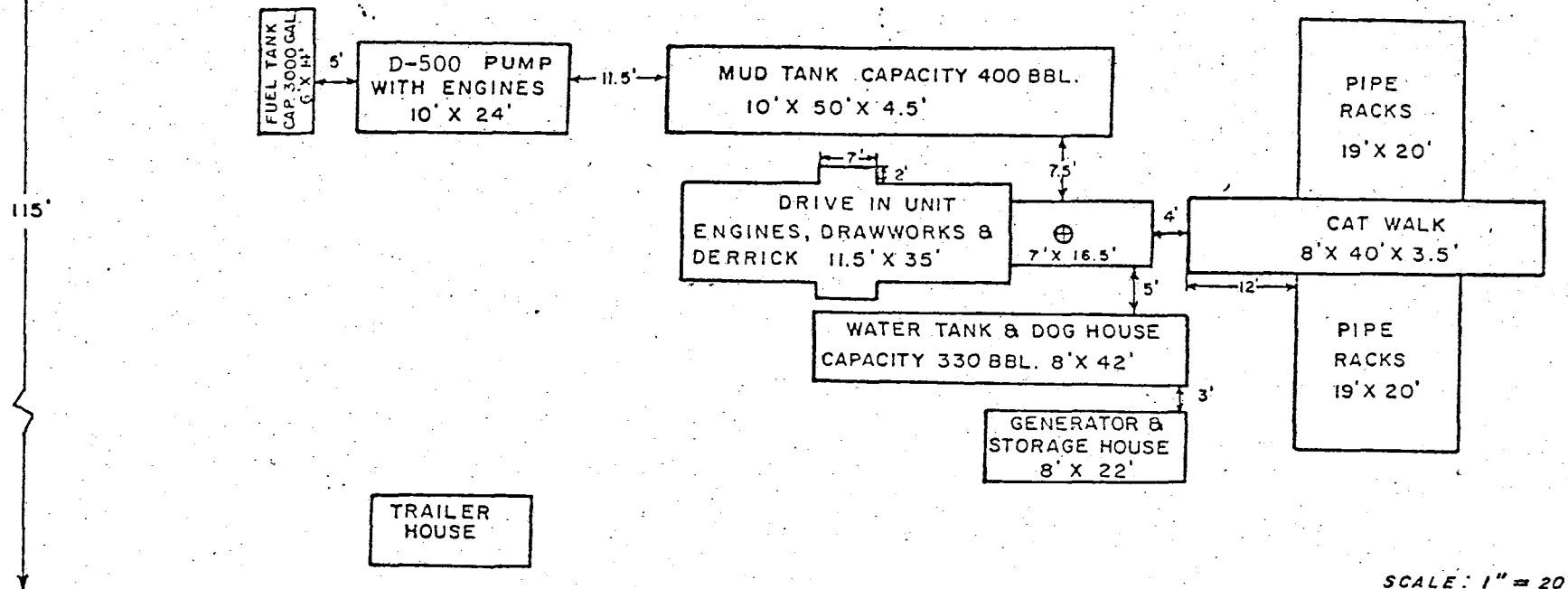


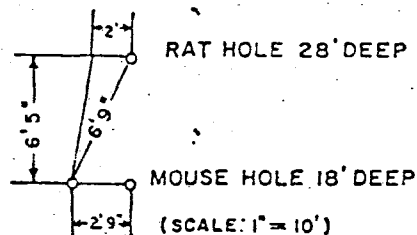
EXHIBIT NO. 2



RIG NO. 70

- (1) GROUND LEVEL TO BOTTOM OF ROTARY BEAMS : 7 FEET — 4 INCHES
- (2) GROUND LEVEL TO TOP OF ROTARY TABLE : 9 FEET
- (3) RECOMMENDED LOCATION SIZE: 225 FEET X 115 FEET
100 FEET FROM CENTER OF HOLE TO FRONT
125 FEET FROM CENTER OF HOLE TO BACK
24 FEET FROM CENTER OF HOLE TO RESERVE PIT
75 FEET FROM CENTER OF HOLE TO EDGE
MUD TANK IS BURIED 18 INCHES BELOW GROUND LEVEL
- (4) ABOVE LAYOUT IS SUGGESTED, HOWEVER EQUIPMENT CAN BE REARRANGED TO FIT TIGHT LOCATIONS.

RAT & MOUSE HOLE DETAIL



** FILE NOTATIONS **

DATE: Aug. 28, 1981
OPERATOR: Ch K Petroleum, Inc.
WELL NO: South Pine Ridge #7-6
Location: Sec. 6 T. 30S R. 25E County: San Juan
File Prepared: ☒ Entered on N.I.D: ☒
Card Indexed: ☒ Completion Sheet: ☒
API Number 43-037-30714

CHECKED BY:

Petroleum Engineer: M.J. Minder 9-10-81
Providing well has proper H₂S trim on BOP and supplemental equipment and that well be mudded up prior to reaching any potential H₂S zones.
Director: _____

Administrative Aide: called Carl Berrich U.S.G.S. unit not approved. as of 8-27-81. its just recently been submitted as a logical unit. As per Rule C-3(c), needs topo letter, ok on any other oil or gas well.

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐
Order No. _____ O.K. Rule C-3 ☐
Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐
Lease Designation Yes ☒ Plotted on Map ☐
Approval Letter Written ☐
Hot Line ☒ P.I. ☒



RECEIVED
SEP 08 1981

DIVISION OF
OIL, GAS & MINING

September 4, 1981

State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

Re: Application for Exception to
Spacing Rule C-3
South Pine Ridge Unit No. 7-6
Section 6-T30S-R25E
San Juan County, Utah

Gentlemen:

Enclosed is an original and two copies of our Application for Exception to Spacing Rule C-3 regarding the above-referenced well. Also enclosed are topographic maps showing the proposed location.

We understand that there is no fee required for filing this application.

Should you have any questions, please advise.

Sincerely,

Mary Kay Cornelius
Operations Clerk

MKC
Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING**RECEIVED****SUNDRY NOTICES AND REPORTS ON WELLS**(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-16577
2. NAME OF OPERATOR C & K Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1125 - 17th Street, Suite 2040, Denver, CO 80202		7. UNIT AGREEMENT NAME South Pine Ridge Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1600' FNL & 1820' FEL, Section 6-T30S-R25E		8. FARM OR LEASE NAME South Pine Ridge Unit
14. PERMIT NO.		9. WELL NO. 7-6
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6978' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 6-T30S-R25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data****NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Exception to Spacing Rule C-3 <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

C & K Petroleum, Inc., requests permission to drill the South Pine Ridge Unit No. 7-6 in an unorthodox location. During an onsite inspection of the proposed well, we found it necessary to relocate our well due to topographical conditions. The center of the 40 acres would have put the well into a drainage area which may have presented hazards during flash floods and increased the potential danger of oil spills. The ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location.

Laballe 5000

18. I hereby certify that the foregoing is true and correct.

SIGNED

Rick L. Kirby

TITLE

Regional Field Superintendent

DATE

Sept. 4, 1981

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:





RECEIVED

SEP 09 1981

September 8, 1981

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

Re: Designation of Operator
South Pine Ridge Unit No. 7-6
Section 6-T30S-R25E
San Juan County, Utah

Gentlemen:

Enclosed are three copies of Designation of Operator for the above-referenced well.

Should you need additional data, please advise.

Sincerely,

Mary Kay Cornelius

Mary Kay Cornelius
Operations Clerk

MKC
Enclosures

DESIGNATION OF OPERATOR

RECEIVED

SEP 09 1981

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Moab, Utah
SERIAL No.: US-U16577

DIVISION OF
OIL, GAS & MINING

and hereby designates

NAME: C & K Petroleum, Inc.
ADDRESS: 1125 17th Street, Suite 2040
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 30 South, Range 25 East, SLM
Section 6: Lots 1, 2, 7 & 8
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

PENNZOIL COMPANY

James T. Goodwyn, Jr.
James T. Goodwyn, Jr.
Attorney-In-Fact

APPROVED	
LAND	<i>h</i>
ECO.	<i>h</i>
LEG.	<i>h</i>

August 20, 1981

(Date)

P.O. Drawer 1139, Denver, CO 80201

(Address)

September 14, 1981

C & K Petroleum, Inc.
1125-17th St., STE. #2040
Denver, Colo. 80202

RE: Well No. South Pine Ridge #7-6,
Sec. 6, T. 30S, R. 25E,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, this is providing that the well has proper H₂S trim on BOP and supplemental equipment; that the well be mudded up prior to reaching any potential H₂S zones. THIS WELL MAY NOT BE AIR DRILLED INTO ANY POTENTIAL H₂S ZONE.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30714.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: C & K Petroleum Inc.

WELL NAME: South Pine Ridge Unit #7-6

SECTION SWNE 6 TOWNSHIP 30S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Loffland Drilling

RIG # 29

SPUDDED: DATE 9-30-81

TIME 2:00 AM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Rick Kirby

TELEPHONE # (303) 893-1010

DATE 9-30-81 SIGNED DB

NOTICE OF SPUD

C & K Petroleum

Caller: RICK KERBY

Phone: _____

Well Number: 7-6

Location: Lot 7, 6-30S-25E

County: SAN JUAN State: UTAH

Lease Number: U-16577

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 9-30-81 2:00 A.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) AT 42'

Rotary Rig Name & Number: LOFFLAND # 29

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: CAB

Date: 9-30-81

RECEIVED
OCT 1 1981

DIVISION OF
OIL, GAS & MINING



Petroleum, Inc.

October 8, 1981

RECEIVED
OCT 13 1981
DIVISION OF
OIL, GAS & MINING

U. S. Geological Survey
1745 West 1700 S., Suite 2000
Salt Lake City, UT 84104

Attention: Mr. Edgar W. Gynn
District Engineer

Re: South Pine Ridge Unit No. 7-6
Section 6-T30S-R25E
San Juan County, Utah

Gentlemen:

Enclosed is an original and two copies of a Sundry Notice advising you of the spud date and surface casing details with regard to the above-referenced well.

If you have any questions, please advise.

Sincerely,

Mary Kay Cornelius
Production Clerk

MKC

✓ Enclosures

cc: State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-16577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

South Pine Ridge Unit

8. FARM OR LEASE NAME

South Pine Ridge Unit

9. WELL NO.

7-6

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 6-T30S-R25E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6978' GR, 6996' KB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Spudded well, set surf. csg.

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in and rigged up rotary tools. Spudded well at 2:00 A.M. on September 30, 1981. Drilled 12 1/4" hole to 310' KB. Ran 8 joints of 10-3/4", 40.5#, K-55, ST&C casing to 304' KB. Cemented with 100 sacks Class "B" with 2% CaCl₂ and 1/4#/sack floccle. Circulated cement to surface. Installed 12" x 10-3/4", 3000 psi casing head. Nippled up 12", 3000 psi BOP. Tested blind rams and choke manifold to 1200 psi, tested pipe rams to 1000 psi and tested hydril to 750 psi; all held O.K.

RECEIVED
OCT 13 1981DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct.

SIGNED

Robert C. Frank

TITLE

Regional Operations Tech.

DATE

Oct. 8, 1981

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



EXPLORATION
LOGGING
U.S.A.

5590 Havana St.
Denver, CO 80239

Phone: (303) 371-2740

November 20, 1981

The final mud log distribution for the C & K Petroleum, "South Pine Ridge Unit #7-6", well in 1320' FNL & 1980' FEL, Sec.6, T30S-R25E, Lot 7, San Juan County, Utah is as follows:

Mud Log

4	C & K Petroleum, Inc. 1125 17th Street, Suite 2040 Denver, Colorado 80202 ATTN: Frank Exum
2	Sunburst 1001 Empire Savings Building Denver, Colorado 80202 ATTN: Mr. Jerry Loucks
2	Harry M. Cullen Oil Properties P.O. Box 3331 Houston, Texas 77001 ATTN: Mr. Evans Bowen
3	Pennzoil Company P.O. Box Drawer 1139 Denver, Colorado 80201
1	State of Utah Division of Oil, Gas & Mining 1588 West, North Temple Salt Lake City, UT 84116
2	U.S. Geological Survey 1745 West 1700 S., Suite 2000 Salt Lake City, Utah 84104

RECEIVED
NOV 27 1981

DIVISION OF
OIL, GAS & MINING

December 22, 1981

C & K Petroleum, Inc.
1125 17th Street, STE. #2040
Denver, Colorado 80202

Re: Well No. South Pine Ridge #7-6
: Sec. 6, T. 30S, R. 25E
San Juan County, Utah
(November 1981)

Gentlemen:

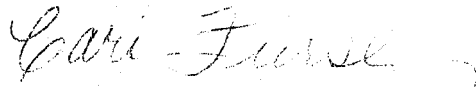
Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING



Cari Fürse
Clerk Typist

AMENDED REPORT - Corrected Spud Date Only
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

E & K Petroleum, Inc.

3. ADDRESS OF OPERATOR

1125 17th Street, Suite 2040, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1600' FNL & 1820' FEL of Section 6-T30S-R25E

At top prod. interval reported below

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

9/30/81

16. DATE T.D. REACHED

11/13/81

17. DATE COMPL. (Ready to prod.)

Testing

18. ELEVATIONS (DF, REB, ET, GR, ETC.)*

6978' GR, 6996' KB

19. ELEV. CASINGHEAD

6978'

20. TOTAL DEPTH, MD & TVD

5974'

21. PLUG, BACK T.D., MD & TVD

5881'

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

10-5974

N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Ismay 5774'-5802' (28')

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL/SFL/GR/SP, CNL/FDC, BHC, FIL, Cyberlook Dipmeter, Cyberdip

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5	304' KB	12 1/4"	100 sacks	
5 1/2"	17.0	5897' KB	9 7/8"	1300 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

5774'-5802' (28') 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5774'-5802'	500 gal. 15% HCl

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
Testing		Flowing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/12/81	24	3/8"	→	2	162	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
600 psi	590 psi	→	2	162	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Ralph Ramsetter

35. LIST OF ATTACHMENTS

DST Summary and Geologic Report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Robert C. Frank

TITLE Regional Operations Tech.

DATE 1/5/82

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GIOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			See Attachments for DST Information and Geologic Report.	Dakota	Surface	
				Morrison	190'	
				Entrada	932'	
				Navajo	1164'	
				Kayenta	1628'	
				Wingate	1907'	
				Chinle	2172'	
				Cutler	2476'	
				Hermosa	3578'	
				La Sal	4941'	
			Ismay	5671'		
			Desert Creek	5923'		



January 5, 1982

U. S. Geological Survey
1745 West 1700 South, Suite 2000
Salt Lake City, UT 84104

Attention: Mr. Edgar W. Guynn
District Engineer

RECEIVED
JAN 13 1982

Re: Well Completion Report
South Pine Ridge
Section 6-T30S-R25E
San Juan County, Utah

DIVISION OF
OIL, GAS & MINING⁶

Dear Mr. Guynn:

Enclosed please find an original and one copy of a Well Completion Report and attachments.

Should you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

Diane L. Scott
Operations Secretary

DLS

Enclosures

cc: State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

3

7

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR						3. ADDRESS OF OPERATOR	
C & K Petroleum, Inc.						1725 17th Street, Suite 2040, Denver, CO 80202	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						5. LEASE DESIGNATION AND SERIAL NO.	
At surface						U-16577	
1600' FNL & 1820' FEL of Section 6-T30S-R25E						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
At top prod. interval reported below						N/A	
At total depth						7. UNIT AGREEMENT NAME	
Same						South Pine Ridge Unit	
14. PERMIT NO.						8. FARM OR LEASE NAME	
43-037-30714						South Pine Ridge Unit	
DATE ISSUED						9. WELL NO.	
9-10-81						7-6	
15. DATE SPUDDED						10. FIELD AND POOL, OR WILDCAT	
8/30/81						Wildcat	
16. DATE T.D. REACHED						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
11/13/81						Section 6-T30S-R25E	
17. DATE COMPL. (Ready to prod.)						12. COUNTY OR PARISH	
Testing						San Juan	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)*						13. STATE	
6978' GR, 6996' KB						Utah	
19. ELEV. CASINGHEAD						20. TOTAL DEPTH, MD & TVD	
6978'						5974'	
21. PLUG, BACK T.D., MD & TVD						22. IF MULTIPLE COMPL., HOW MANY*	
5881'						N/A	
23. INTERVALS DRILLED BY						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	
10-5974						Ismay 5774'-5802' (28')	
25. WAS DIRECTIONAL SURVEY MADE						26. TYPE ELECTRIC AND OTHER LOGS RUN	
No						DIL/SFL/GR/SP, CNL/FDC, BHC, EIL, Cyberlook, Dipmeter, Cyberdip	
27. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
10 3/4"		40.5		304' KB		12 1/4"	
5 1/2"		17.0		5897' KB		9 7/8"	
CEMENTING RECORD		AMOUNT CEMENTED		DATE CEMENTED		DATE CEMENTED	
100 sacks		131982		JAN 13 1982		OIL, GAS & MINING	
1300 sacks							
28. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD		SIZE		DEPTH SET (MD)		PAPER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)							
5774'-5802' (28') 4 SPF							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
5774'-5802'				500 gal. 15% HCl			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
Testing		Flowing				POW	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
12/12/81		24		3/8"		→	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
600 psi		590 psi		→		2	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY		Ralph Ramsetter		DATE	
Vented						1/5/82	
35. LIST OF ATTACHMENTS							
BST Summary and Geologic Report							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE				DATE	
Robert C. Frank		Regional Operations Tech.				1/5/82	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
See Attachments for DST Information and Geologic Report.				Dakota	Surface	
				Morrison	190'	
				Entrada	932'	
				Navajo	1164'	
				Kayenta	1628'	
				Wingate	1907'	
				Chinle	2172'	
				Cutler	2476'	
				Hermosa	3578'	
				La Sal	4941'	
				Ismay	5671'	
				Desert Creek	5923'	

LITHOLOGY

"DAKOTA"

- 0-90 Sandstone: White-light yellow, fine-medium grained, well sorted, commonly unconsolidated, occasionally calcareous, predominantly weathered.
- 90-150 Sandstone: Unconsolidated, milky white, medium grained, very well sorted, sub rounded.
- 150-180 Sandstone: As above, with traces green silty shales.

"MORRISON"

- 180-210 Shale: Red, green, lavender, gray, firm, silty, slightly calcareous
- 210-300 Shale: Red, lavender, light gray, firm platy, occasionally silty.
- 300-430 NO SAMPLES
- 430-620 Bentonite: White soft, occasionally light green.
Shale: Red, red-brown, soft, firm, platy, occasionally silty.
Sandstone: Trace, white, firm, very fine grained, occasionally lavender and buff stained.
- 620-710 Shale: Grading to siltstone, as above.
Sandstone: Unconsolidated, well rounded quartz grains, medium grained, trace of dead oil stain, no fluorescence or cut.
- 710-730 Mudstone: Light gray, light green, predominantly associated with very fine silts.
Shale: Light green, soft, platy, occasionally silty.
- 730-980 Shale: Red, red-brown, firm, very silty, varigated in part, calcareous, occasionally light green to lavender bentonite.

"ENTRADA"

- 980-1020 Shale: Grading to siltstone, as above.
Sandstone: White, to pink, unconsolidated, poorly sorted, very fine to fine grained, sub angular.
- 1020-1170 Sandstone: As above, increasing grain size with depth.

"NAVAJO"

- 1170-1200 Sandstone: Clear to frosted, unconsolidated quartz grains, medium to coarse grained, angular to well rounded, moderately well sorted, commonly re-worked with limonite stain, abundant dead oil stain, no fluorescence or cut.
- 1200-1470 NOTE: (samples too fine to evaluate, recovered samples consisted of uniformly light gray powder due to air drilling operations, probable drilling of sandstones).
- 1470-1500 Claystone: Light pink to white, very silty, poor sample quality.

- 1500-1560 Sandstone: White, friable to firm, fine grained, moderately well sorted and consolidated, sub rounded, occasionally with milky white calcite matrix, no shows.
- 1560-1650 Shale: Red-brown, brown, lavender, firm, platy, occasionally varigated brown and gray, traces white to light green, bentonitic.
Sandstone: As above, occasional orange tint, traces anhydrite bentonite
- "KAYENTA"
- 1650-1710 Sandstone: White, firm, well consolidated, very fine grained, slightly calcareous.
Shale: As above, occasionally silty, traces of white-green bentonite occasional biotite, traces dark gray chert.
- 1710-1740 Shale: Red brown, firm, platy, occasionally varigated, trace white to light green bentonite.
Siltstone: Red orange, buff, friable to firm, occasionally sandy, slightly glauconitic, trace finely micaceous.
- 1740-1890 Sandstone: Light red to pink, largely unconsolidated, fine to medium grained, sub angular to sub rounded, poor-fair sorting, trace of well consolidated with glauconite.
Shale: As above, lavender, bentonitic, anhydritic.
- "WINGATE"
- 1890-2010 Sandstone: White, unconsolidated, very fine to medium grained, moderately well sorted, sub rounded-rounded, trace limonite stain.
Shale: Red orange, brown, trace varigated, platy, silty in part, bentonitic.
- 2010-2070 Sandstone: As above, silty in part.
- 2070-2180 Shale: Red orange, brown, occasionally lavender, firm, platy to blocky, waxy in part, silty in part, anhydritic, fine mica.
Sandstone: As above.
- "CHINLE"
- 2180-2200 Siltstone: Brown to maroon, red-brown, firm, grading to shale in part, finely micaceous, slightly calcareous.
- 2200-2210 Shale: Light green to green, platy, bentonitic.
- 2210-2230 Siltstone: Light green, firm to hard, sandy in part, very fine to medium grained.
- 2230-2250 Shale: Red orange to green, firm, platy, occasionally silty.
Siltstone: As above, increase in red brown, occasionally grading to sandstone.
- 2250-2300 Shale: Light green-brown, firm, platy, silty, bentonitic, some carbonaceous material.
Sandstone: Gray-gray green, salt & pepper, very fine grained, friable to firm, black-orange-green mineral inclusions, tight.

- 2300-2350 NO SAMPLES MUD UP.
- 2350-2400 Very poor returns, predominantly L.C.M. and cavings.
- 2400-2440 Shale: Green, firm, platy, silty.
Siltstone: Brown-red brown, green, firm, grading to fine grained sandstone, arkosic, finely micaceous.
Sandstone: White-light green, hard, medium grained, angular, arkosic, calcareous, tight.
- 2440-2450 Siltstone: Brown-gray, friable, mottled, sandy, traces of copper like nodules, (IMM).
- 2450-2470 Sandstone: White to light green, gray, firm to hard, fine to medium grained, poorly sorted, grading to fine conglomerate, pyritic, occasional coal, trace blue-green mineral inclusions.
- 2470-2480 Sandstone: As above, increase in grain size, pyritic.
- "CUTLER"
- 2480-2500 Siltstone: Brown-red brown, firm, highly micaceous.
Sandstone: As above.
- 2500-2550 Siltstone: Red brown-red, occasionally white, firm, arkosic, occasionally sandy, calcareous, micaceous.
- 2550-2600 Siltstone: As above, predominantly red-red brown, micaceous.
Sandstone: Red, firm, medium to coarse grained, grading to fine conglomerate, arkosic with calcite matrix, tight.
- 2600-2620 Siltstone: Red-red brown, firm, very fine, micaerou, occasionally white, sandy, calcareous.
Sandstone: Red orange, firm-hard, medium-coarse grained, angular, calcareous, poorly sorted, trace limestone pebble fragment inclusion.
- 2620-2630: Sandstone: As above, increase in limestone pebbles, finely crystalline.
- 2630-2640 Siltstone: Orange-red orange, very fine, firm, highly micaceous, argillaceous, trace brown claystone, soft, platy, occasionally varigated, light gray.
- 2640-2670 Limestone: Pebble conglomerate, light gray-gray green, firm to hard, abundant fine to medium pebble fragments, angular to well rounded, with silicic matrix, trace pyrite.
Siltstone: As above, abundant brown to light gray, friable, argilla- ceous, calcareous, glauconitic.
- 2670-2680 Siltstone: Gray to gray green, firm to hard, very fine, slightly calcareous, occasionally with very fine mica, trace pyrite, limestone pebble fragments.

- 2680-2690 Limestone: Gray to gray green, lavender, firm to hard, finely crystalline.
Siltstone: As above, increase in red to red orange, micaceous, trace pyrite.
- 2690-2700 Sandstone: Milky white to red, unconsolidated quartz, sub angular to sub rounded, occasionally very fine grained to silty.
- 2700-2740 Siltstone: Red orange, firm, very fine texture, calcareous, finely micaceous.
Limestone: Firm to hard, brittle, fine to crypto crystalline, occasional pebble fragments, trace unconsolidated quartz grains.
- 2740-2750 Sandstone: Multicolored, unconsolidated, angular to subangular quartz and feldspar grains, occasionally grading to coarse grained arkosic sandstones when consolidated.
Siltstone: As above, trace limestone pebble conglomerate.
- 2750-2760 Siltstone: Red orange, firm, micaceous, calcareous.
Limestone: Light gray to brown, hard, fine to crypto crystalline, traces of brown soft claystones.
- 2760-2780 Sandstone: Grading to fine conglomerate, orange to milky white to clear, sub angular to angular, unconsolidated quartz and feldspar grains, abundant black oil stain on free quartz grains with moderate to rapid streaming cut, good yellow fluorescence of cut, visible oil appears to be very tarry.
- 2780-2810 Siltstone: As above, trace brown claystone, trace of show as above.
- 2810-2830 Siltstone: Red orange, firm, calcareous, micaceous, occasionally brown, grading to claystone.
Sandstone: As above, with trace of show as above, occasionally arkosic, well consolidated.
- 2830-2900 Siltstone: Red orange, as above, occasionally grading to fine grained arkosic.
Sandstone: Pink to red, firm to hard, medium to coarse grained, sub angular to angular, arkosic, occasionally micaceous calcareous, tight.
- 2900-3000 Siltstone: Red orange, light gray, brown, occasionally sandy, calcareous, micaceous, traces of variegated argillaceous, traces limestone, sandstones, as above.
- 3000-3010 Sandstone: Pink-orange-clear, unconsolidated, medium grained, sub angular to angular, trace white, slightly micaceous siltstones as above.
- 3010-3040 Siltstone: Red orange, firm, platy, micaceous, occasionally grading to shale, occasionally sandy.
Sandstone: As above.
Limestone: Traces gray to light red, trace dead oil stain.

- 3040-3090 Sandstone: Milky white-clear-pink, unconsolidated, medium to coarse grained, angular, possibly weathered, abundant oil and dead oil stain, (Less than 40%) poor to fair cut, yellow white fluorescence of cut, 160 unit gas kick.
- 3090-3100 Sandstone: As above, well consolidated, trace intergranular porosity with fair to good oil stain, as above.
- 3100-3160 Sandstone: Unconsolidated, medium grained quartz and feldspar, some biotite, probable granite wash, black to brown oil stain interspersed, predominant dead oil traces, with fair cut.
 Siltstone: As above, orange, calcareous.
 Limestone: Gray, hard, micro sucrosic to finely crystalline.
 Sandstone: As above.
- 3160-3200 Sandstone: Pink-white-clear, predominantly, unconsolidated, medium to coarse grained, quartz and feldspar, sub angular to angular, rare micaceous, trace dead oil stain.
 Siltstone: Red orange, firm, micaceous.
- 3200-3270 Sandstone: As above
 Siltstone: As above, trace white, calcareous, occasionally sandy, bentonitic.
- 3270-3280 Sandstone: Milky white to clear-pink, unconsolidated, medium to coarse grained, angular, trace dead oil stain.
 Siltstone: As above.
- 3280-3290 Siltstone: Red orange-brown, firm, very fine, micaceous.
 Sandstone: As above.
- 3290-3300 Limestone: Light gray to gray-brown, white, hard, platy, coarse to fine crystalline, occasionally micro sucrosic, trace fossils, fusulinids, possibly oolitic.
 Siltstone: As above.
- 3300-3310 Sandstone: White to clear-pink, unconsolidated, medium to coarse grained, angular, trace dead oil stain.
 Siltstone: Red-red orange, micaceous.
- 3310-3330 Siltstone: As above, occasionally very calcareous.
- 3330-3350 Siltstone: Red-red orange, firm, slightly calcareous, micaceous, occasionally white, sandy, with orange mineral inclusions.
 Limestone: White-gray-brown, hard, finely crystalline.
- 3350-3360 Sandstone: White-clear-pink, unconsolidated, angular.
 Limestone: As above, fossiliferous.
- 3360-3460 Siltstone: As above, increase in white-brown.

- 3460-3480 Sandstone: White-gray, orange, unconsolidated, sub angular, medium grained, poorly sorted, occasional biotite, trace dead oil.
- 3480-3570 Siltstone: Red brown-orange-brown, very calcareous, occasionally grading to arkosic.
Sandstone: Very micaceous.
Limestone: Trace, light gray, firm, occasionally silty.
- 3570-3610 Sandstone: Gray-brown, firm, poorly sorted, arkosic, calcareous, tight, no shows.
- "HERMOSA"
- 3610-3660 Limestone: Light gray-gray green, grading to calcareous.
Shale: Firm, occasionally micaceous.
Sandstone: conglomeritic, poorly sorted, tight.
Shale: Brown to dark brown, firm.
- 3660-3680 Limestone: As above, fine to micro crystalline, occasionally white, sucrosic to chalky.
Sandstone: Firm-hard, fine to medium grained, angular to sub angular, occasionally conglomeritic, calcareous, trace light green.
- 3680-3710 Siltstone: White, friable, very fine, calcareous, occasionally sandy.
Limestone: Light gray to tan to brown, hard, finely crystalline.
- 3710-3730 Shale: Red-red brown, gray, firm to soft, waxy, occasionally silty, finely micaceous.
Siltstone: As above, occasionally red.
Sandstone: White to gray, firm calcareous, conglomeritic, tight, trace dead oil stain.
Limestone: As above.
- 3730-3760 Siltstone: Gray to white, earthy, friable to firm, very micaceous, occasionally sandy, calcareous.
Limestone: Dark gray to gray, hard, succrosic.
- 3760-3780 Limestone: Gray to brown, dark gray, hard, blocky, fine to crypto crystalline, dense, tight.
Sandstone: As above, with slight dead oil stain.
- 3780-3830 Limestone: As above, abundant white succroidal, with indistinct fossil trace white and chalky.
- 3830-3860 Siltstone: White, firm to hard, very fine, very calcareous, occasional with fine mica, tight, trace sandy with dead oil stain.
Limestone: As above.
- 3860-3890 Sandstone: White, friable to firm, fine to medium grained, poorly sorted, occasionally with fair to good intergranular porosity, predominantly tight, 30% yellow green fluorescence fair slow to fast streaming cut, dull yellow fluorescence of cut, trace brown stain,

slight odor, show diminished when dried, yellow stain on wet cut sample sacks ,
120 units of gas.

- 3890-3900 Siltstone: Gray, firm, occasionally sandy, predominantly very micaceous, calcareous.
- 3900-3920 Limestone: White to gray-light gray, fine to crypto-crystalline, dense, tight.
- 3920-3960 Limestone: Dark gray, hard, finely crystalline, occasionally argillaceous silty in part, fissile, trace white succroidal to silty.
- 3960-3990 Limestone: As above, increase in silty, occasionally very pyritic.
Siltstone: Grey to red brown, firm, very fine to argillaceous, micaceous.
- 3990-4000 Limestone: White to gray, predominantly white and chalky, decrease in silty.
- 4000-4070 Limestone: White to light gray to tan, firm to hard, silty, occasionally finely crystalline.
Siltstone: Gray, firm, micaceous, calcareous, trace sandy.
- 4070-4130 Shale: Gray to dark gray, firm, silty, slightly fissile, calcareous grading to argillaceous limestones.
- 4130-4170 Limestone: Gray to light gray-brown, firm to hard, finely crystalline, abundant light gray and argillaceous.
Siltstone: White to light gray, firm to hard, very fine, occasionally sandy, calcareous, occasionally micaceous, tight.
- 4170-4230 Siltstone: As above, increase in gray brown to red brown, trace dead oil stain.
- 4230-4260 Limestone: White to light gray, firm to hard, fine to crypto-crystalline, dense, tight.
Chert: Red orange to tan, white, semi-opaque.
Siltstone: As above.
- 4260-4280 Limestone: As above, increase in dark gray, silty.
Coal: Black, brittle, grading to carbonaceous shales.
- 4280-4310 Sandstone: White to light gray-green, friable to firm, fine to medium grained, unconsolidated, sub angular, tight, slightly calcareous matrix, good odor in wet cuts, abundant yellow green fluorescence, very weak crush cut, very rare but good streaming yellow white cut, abundant brown-black tarry oil stain, 37 unit gas kick
- 4310-4350 Siltstone: Red orange to brown, firm, very fine, trace sandy, commonly micaceous, very calcareous, pyritic.
- 4350-4370 Sandstone: White, hard, poorly sorted, fine to medium grained, occasionally grading to fine grained conglomerate, trace dead oil

stain, no shows, glauconite.

- 4370-4390 Limestone: Gray, hard, silty, grading to calcareous siltstone.
Sandstone: As above, occasionally arkosic, trace pyritic, possible dead oil stain.
- 4390-4450 Limestone: Gray-dark gray, firm to hard, finely to medium crystalline, occasionally argillaceous, silty.
Siltstone: As above, gray, micaceous.
Shale: Gray, soft to firm, slightly fissile.
Chert: White, tan, opaque.
- 4450-4490 Limestone: As above, finely to crypto-crystalline, fossiliferous, (Crinoid stems)
- 4490-4500 Limestone: As above, increase in silt, abundant pyrite, trace chert.
- 4500-4530 Limestone: Argillaceous, silty, brown to buff, firm, succroidal, occasionally dolomitic, occasional phyllitic sheen, trace fine mica.
- 4530-4600 Limestone: Argillaceous, silty, gray to dark gray, hard, dense, fine crystalline.
Shale: Firm, platy, varicolored, silty, calcareous, micaceous.
Dolomite: Brown, firm succroidal, grading to limestone trace dead oil stain at 4560' in poorly sorted fine grained conglomerate
- 4600-4650 Poor samples
- 4650-4700 Limestone: Argillaceous, dark gray, platy, firm to hard, fine crystalline to fissile, very gradational to shale limestone-calcareous shales, occasionally very silty.
- 4700-4750 Limestone: Gray-dark gray, brown, firm to hard, fine crystalline to silty, dense, tight.
Shale: Dark gray, black, platy, carbonaceous, trace tan semi-opaque chert.
- 4750-4790 Limestone: As above, grading to shale and siltstone, traces of indistinct fossils, pyrite, chert.
- 4790-4810 Sandstone: White to dirty gray, firm to hard, fine to medium grained, poorly sorted, angular, calcareous to argillaceous matrix, tight, red-green mineral inclusions, no shows.
- 4810-4840 Siltstone: Gray-brown, red brown, firm, very micaceous, occasional grading to shale.
Sandstone: As above.
- 4840-4880 Shale: Dark gray to black, platy, slightly fissile, carbonaceous.
Siltstone: As above.
Limestone: As above.

- 4880-4900 Limestone: White to light gray-brown, hard, finely crystalline, dense, tight, occasionally white soft chalky.
Chert: Tan to orange vitreous to semi-opaque.
- 4900-4950 Limestone: Gray to dark gray-brown, hard, fine to cryptocrystalline, occasionally shaly.
- "LA SAL"
- 4950-5000 Limestone: Dirty gray to light gray, firm, grading to calcareous siltstone, tight.
Sandstone: White to light gray, firm, poorly sorted, fine to medium grained, sub angular to angular, tight, calcareous, micaceous, trace chert.
- 5000-5050 Limestone: As above, blocky in part, dense, tight, occasionally chalky.
Sandstone: As above,
Chert: Tan-brown, hard, semi opaque.
- 5050-5110 Limestone: As above, increase in tan-brown chert.
Shale: Carbonaceous, grading to coal.
- 5110-5140 Limestone: Gray, dark gray-brown, hard, finely crystalline, dense, abundant gray to brown, succroidal.
Dolomite: White, light gray, hard, micro succroidal, occasional granular, trace intergranular porosity.
- 5140-5170 Siltstone: White-light gray, friable to firm, very fine texture, slightly calcareous, finely micaceous, pyritic.
- 5170-5220 Limestone: Dark gray to brown, firm to hard, succrosic to granular texture, dense, tight.
Shale: Gray to black, platy, fissile, carbonaceous, traces of chert, dolomite.
- 5220-5250 Limestone: White to light gray, firm to hard, silty to micro succrosic, tight.
Shale: Black carbonaceous, traces chert.
- 5250-5280 Limestone: Gray to brown-light gray, hard, finely crystalline to succroidal, argillaceous.
Shale: Dark gray to black, slightly fissile, carbonaceous.
Siltstone: Light gray, firm, very finely calcareous, tight.
- 5280-5310 Limestone: Dark gray to brown, medium crystalline to micro succroidal, trace anhydrite inclusions.
Shale: As above.
- 5310-5320 Limestone: As above.
Siltstone: Brown to tan, light gray, friable to firm, very fine texture, trace of dead oil stain, brown, slight yellow fluorescence, no cut.

- 5320-5340 Siltstone: Dirty brown, friable to firm, very fine texture, tight, trace poor intergranular porosity, slight show of oil, no fluorescence to yellow orange fluorescence, abundant light tan to brown oil stain, with weak slow cut, yellow white fluorescence of cut, good ring, traces of calcite, pyrite, possible fracture evidence.
- 5340-5380 Siltstone: As above, occasionally grading to very fine grained.
Sandstone: Micaceous, silicic matrix, decrease in amount of oil stain in samples, no cut.
- 5380-5420 Shale: Black to dark gray, firm platy, carbonaceous.
Limestone: Dark gray to brown-gray, firm to hard, finely crystalline, occasionally succroidal traces of brown cryptocrystalline.
- 5420-5460 Limestone: Argillaceous, increase in dark gray to black, possibly carbonaceous, fissle.
- 5460-5470 Shale: Black, carbonaceous.
- 5470-5490 Anhydrite: White, soft, associated with shale and limestone stringers.
- 5490-5500 Limestone: Brown, firm to soft, argillaceous, dolomitic, tight.
Anhydrite: As above.
- 5500-5540 Limestone: Light gray, firm to hard, succroidal to silty, dolomitic, traces of chert.
- 5540-5580 Limestone: As above.
Anhydrite: White, soft, commonly associated with chalky limestones.
- 5580-5600 Limestone: Gray to dark gray, firm micro succrosic, to silty, dolomitic
Dolomite: Light gray, firm to hard, succroidal, traces chert.
- 5600-5620 Limestone: Gray, firm-hard, finely crystalline to succroidal, dolomitic micro succroidal in part, trace of pin-point porosity.
Dolomite: As above.
- 5620-5650 Limestone: Dolomitic, light gray, grading to calcareous shales, platy, micaceous, pyritic, occasional calcite (possible fracture fill)
- 5650-5680 Shale: Black to dark gray, firm, platy, fissle in part, calcareous, micaceous.
- "ISMAY"
- 5680-5700 Shale: As above.
Limestone: As above, with abundant fracture fill, trace pyrite.
Siltstone: Light gray to tan, hard to firm, calcareous, tight, micaceous
Anhydrite: As above, associated with shales, traces of chert.
- 5700-5730 Siltstone: White to light gray, hard, tight.

DST SUMMARY

South Pine Ridge No. 7-6

Section 6-T30S-R25E

San Juan County, Utah

DST NO. 1:

3035-3085'. OP 15, SI 30, OP 60, SI 120. Recovered: 120' SWOGCM. Sampler: 2100 cc liquid, 1.25 cu/ft gas, 225 psi, R_s .67 @ 600. IHP 1471, FHP 1465, IFP 68.8-81.5, FFP 92.2-108.2, ISIP 227, FSIP 549, BHT 1080.

DST NO. 2:

3854-3879'. OP 15, SI 30.7, OP 30, SI 75. Recovered: 100' Drilling mud, bottom R_s 1.86 @ 660. Sampler: .266 cu/ft gas @ 55 psi. IHP 1899, FHP 1844, IFP 73.9-72.5, FFP 80.7-79.3, ISIP 150.7, FSIP 154.0, BHT 910.

DST NO. 3:

4265-4432'. OP 30, SI 30, OP 60, SI 120. Recovered: 97' Drilling mud, bottom R_s .935 @ 500. Sampler: .2 cu/ft gas @ 70 psi, 1500 cc mud, IHP 2125, FHP 2106, IFP 154-155, FFP 154-158, ISIP 164, FSIP 180, BHT 1000.

DST NO. 4:

5283-5362'. Misrun.

DST NO. 5:

5288-5362'. OP 30, SI 60, OP 120, SI 180. Recovered: 300' Drilling mud, 60' slightly gas cut mud. Sampler 2050 cc mud @ 100 psi, R_s .82 @ 630. IHP 2696, FHP 2618, IFP 119-171, FFP 252-215, ISIP 316, FSIP 428, BHT 1100.

DST NO. 6:

5775-5835'. OP 15, SI 90, OP 120, SI 180. Recovered: Reversed out abundant very heavy gas cut mud and free gas. Sampler: 17.37 cu/ft @ 170 psi. IHP 2869, FHP 2854, IFP 102-151, FFP 123-82, ISIP 2678, FSIP 2691, BHT 1280.

- 5700-5730 Limestone: Silty, brown-gray, hard, finely crystalline, with medium grained anhydrite and/or calcite inclusions, good mineral fluorescence. Dolomite: Brown firm tight.
- 5730-5770 Anhydrite: White, soft, succrosic, associated with slitstone and limestones, as above.
- 5770-5785 Dolomite: Tan-brown, friable to firm to hard, traces of pin-point porosity, occasional very good medium to coarse crystalline development (similar to drusy mosaic) fair to good porosity (pinpoint to vuggy) 350 unit gas kick.
- 5785-5820 Dolomite: As above, good to excellent porosity (pinpoint to vuggy, finestral, intercrystalline) very faint weak cut when samples dried, dull orange-yellow orange fluorescence, good odor, 1100 unit gas kick from 3788' to 3794', heavy gas cut mud on return circulation, two pound drop in mud weight from 8.98 lbs. to less than 8.8 lbs.
- 5820-5840 Shale: Black to gray, tan, firm to soft, fissle, micaeous, trace coal.
Dolomite: As above.
- 5840-5850 Limestone: White to gray, brown, firm to hard, silty, possibly weathered.
Anhydrite: White, soft, succrosic.
- 5850-5890 Shale: As above, slightly calcareous, trace coal.
- 5890-5900 Shale: As above.
Limestone: Light brown to gray, hard, tight, occasionally oolitic, grading to calcareous siltstone, trace coal.
- 5900-5930 Limestone: White-gray, brown, soft-hard, coarse crystalline to silty, associated with anhydrite, indistinct fossils, possible dead oil stain along fracture planes, no fluorescence or cut, occasional micro succroidal.
- "DESERT CREEK"
- 5930-5950 Limestone: Brown to buff, hard, finely crystalline to micro succrosic, dead oil as above.
- 5950-5980 Shale: Dark gray, black, firm, carbonaceous, trace coal.



February 4, 1982

U. S. Geological Survey
1745 West 1700 South, Suite 2000
Salt Lake City, UT 84104

Att: Mr. Edgar W. Guynn
District Engineer

Re: AMENDED REPORT
Well Completion Report
South Pine Ridge No. 7-6
Section 6-T30S-R25E
San Juan County, Utah

Dear Mr. Guynn:

Enclosed please find an AMENDED REPORT - Corrected Spud Date Only
for the above referenced well which was submitted to you previously
on January 5, 1982. Two copies have been provided.

*just file
away*

Should you have any questions, please do not hesitate to contact
the undersigned.

Sincerely,

Diane L. Scott

Diane L. Scott
Operations Secretary

DLS

cc: State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, UT 84116

RECEIVED
FEB 10 1982

**DIVISION OF
OIL, GAS & MINING**



March 15, 1982
SM: 82/116

RECEIVED
MAR 23 1982

Utah Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

**DIVISION OF
OIL, GAS & MINING**

Attn: Well Records

Re: South Pine Ridge Unit #7-6
Big Indian Prospect
Section 6 T30S R25E 1,600' FNL 1,820' FEL
San Juan County, Utah

SUNDRY NOTICE

Gentlemen:

C&K Petroleum, Inc., as operator has the subject well shut-in pending pipeline connection. There are presently about 100 barrels of test oil in a rental tank at the lease. We have contracted with Champlin to purchase this test oil and the Permian Corp. is going to truck this production for Champlin.

If I may be of additional assistance, please contact me at (713) 654-4466 x316.

Very truly yours,

Sandy Matteson

Sandy Matteson
Coordinator, Contract Control
Oil & Gas Marketing and Regulations

SM/vdd

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
 (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-16577	
2. NAME OF OPERATOR ENSTAR Petroleum Company, a division of ENSTAR Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR 1125 17th. Street - Suite 2040, Denver, Colorado 80202		7. UNIT AGREEMENT NAME South Pine Ridge	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1,600' FNL & 1,820' FEL of Section 6-T30S-R25E		8. FARM OR LEASE NAME South Pine Ridge Unit	
14. PERMIT NO.		9. WELL NO. 7-6	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6,978' GR, 6,996' KB		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 6-T30S-R25E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Change of Operator	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please be advised that the operator of this well has changed, via merger, from
 C & K Petroleum, Inc. to ENSTAR Petroleum Company, a division of ENSTAR Corporation.

RECEIVED

MAY 21 1984

**DIVISION OF OIL
 GAS & MINING**

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert C. Frank
 ROBERT C. FRANK

TITLE

Regional Operations Technician

DATE

5/11/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

PAGE NO. TEN
MARCH 12, 1984

DIVISION ORDER, LOMAX EXPLORATION COMPANY, ML 22060

Lomax Exploration Company has submitted a Division Order covering production from their State #4-32 Well in NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 32, T8S, R17E, SLB&M., ML 22060.

This Division Order properly sets out the interests of the State of Utah.

Upon recommendation of Mr. Prince, the Director approved the above captioned Division Order.

DIVISION ORDER, ENSTAR PETROLEUM, INC., ML 37067

✓ Enstar Petroleum, Inc. has submitted a Division Order covering production from their South Pine Ridge Unit #7-6 Well in Sec. 6, T30S, R24E, SLB&M.,

The State will participate in this production and the royalty earned will be credited to ML 37067, Union Oil Company of California, lessee. ^{25E} sec. 36 29S, 24E

This Division Order properly sets out the interests of the State of Utah.

Upon recommendation of Mr. Prince, the Director approved the above captioned Division Order.

RELINQUISHMENT OF MINERAL LEASE

The lessee under the mineral lease listed below has filed a relinquishment of this lease. This lease should be terminated and the lands offered for lease by simultaneous filing.

Oil, Gas, and Hydrocarbon Lease

ML 39040	Phillips Petroleum Company	T5S, R22E, SLB&M.	Uintah
	Sec. 30: Lot 2	39.70 acres	

Upon recommendation of Mr. Prince, the Director noted the relinquishment of the above captioned lease.

CANCELLATION OF MLA 41106 - OIL, GAS, AND HYDROCARBON

On our January 1984 Simultaneous Offering we offered as Unit No. 200 All of Section 16, T35S, R18W, SLB&M., Iron County, Utah, 640.00 acres, and Cities Service Oil and Gas Corporation was the high bidder for this tract. It has now been found that this tract was used as base in State Exchange No. 107 which was approved by the BLM on February 3, 1984, and this land was transferred to the BLM on State Patent 18795, therefore, MLA 41106 should be cancelled and the rental deposit of \$2,560 should be refunded to Cities Service Oil and Gas Corporation.

Upon recommendation of Mr. Prince, the Director approved the cancellation of the above captioned MLA and ordered the rental deposit of \$2,560 returned to the applicant.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MININGRECEIVED
SUNDRY NOTICES AND REPORTS ON WELLS(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

SEP 26 1984

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR ENSTAR PETROLEUM, INC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1125 17TH STREET, #2040, DENVER, CO. 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE SEC 6, T30S, R25E		8. FARM OR LEASE NAME SOUTH PINE RIDGE	
14. PERMIT NO. 43-03730714		9. WELL NO. # 7-6	
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 6 T30S R25E	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) CHANGE OF OPERATOR		12. COUNTY OR PARISH SAN JUAN	
		13. STATE UTAH	

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) CHANGE OF OPERATOR ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CHANGE OF OPERATOR

PREVIOUS (CURRENT) OPERATOR: N2830

ENSTAR PETROLEUM
1125 17TH STREET
#2040
DENVER, CO. 80202

NEW OPERATOR:

Add new company

UNION TEXAS PETROLEUM
14001 E. ILLIFF AVENUE
SUITE 500, THE FORUM BLDG.
AURORA, CO 80014
(303) 695-8778

N8670

move well

EFFECTIVE DATE: SEPTEMBER 25, 1984

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Colorado Continued

UTPC files a Sundry Notice, Form #4 (attached), for each well, showing new and old operator name and address and effective date of transfer.

RECEIVED

SEP 26 1984

**DIVISION OF OIL
GAS & MINING**

Montana

Oil & Gas Conservation Board
Box 217
25 South Ewing
Helena, Montana 59624

(406) 444-6675

UTPC files a Sundry Notice, Form #2 (attached), to specify the change of operator with an attachment describing the name and location of each well and lease. They would prefer to have the wells covered under the operator's bond, but would accept holding Enstar's bond for now.

North Dakota

Industrial Commission
Oil and Gas Division
900 East Boulevard
Bismarck, North Dakota 58505

(701) 224-2969

The current owner (Enstar) signs a Transfer Notice, Form #15 (attached), which must also be signed by the new operator and the new operator's Surety Corporation, listing each well involved along with a \$25 fee per well. The wells must be covered under the operator's bond.

Utah

Oil, Gas & Mining Division of Utah
Geological & Mineral Survey
4241 State Office Building
Salt Lake City, Utah 84114

(801) 533-5771

The current owner/operator (Enstar) signs a Sundry Notice, Form OGC-1b (attached), showing old and new operator name, address and the effective date.



**Union Texas
Petroleum**

Western Division
14001 E Iliff Avenue
Suite 500
Aurora, CO 80014
Telephone (303) 695-8778

April 18, 1985

RECEIVED

MAY 03 1985

Oil, Gas & Mining Division of Utah
Geological & Mineral Survey
4241 State Office Building
Salt Lake City, Utah 84114

**DIVISION OF OIL
GAS & MINING**

Re: Change of Operator
South Pine Ridge #7-6
Sec. 6-T30S-R25E
San Juan County, Utah

Gentlemen:

Pursuant to Utah's operational transfer procedures, please find enclosed Sundry Notice Form OGC-1b reporting change of operator for the captioned well. Enstar Corporation took over operation of this well September 26, 1984.

Previous (Current) Operator:

Union Texas Petroleum Corporation
14001 E. Iliff Avenue, Suite 500
Aurora, Colorado 80014

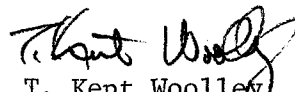
New Operator:

Enstar Corporation
14001 E. Iliff Avenue, Suite 500
Aurora, Colorado 80014

An Enstar Corporation surety representative will contact you directly under separate cover regarding the coverage of this well under current Enstar statewide blanket bond.

Thank you for your cooperation.

Sincerely yours,


T. Kent Woolley
Landman

Copy w/ enclosures:

S. W. Harris
D. B. Wells

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Union Texas Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 14001 E. Iliff Avenue, Suite 500, Aurora, Colorado 80014		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NW/4NE/4		8. FARM OR LEASE NAME South Pine Ridge	
14. PERMIT NO. 43-03730714		9. WELL NO. #76	
15. ELEVATIONS (Show whether SP, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR ASSA Sec. 6-T30S-R25E	
		12. COUNTY OR PARISH 13. STATE San Juan Utah	

RECEIVED

MAY 03 1985

DIVISION OF OIL
GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Change of Operator ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change of Operator

Previous (Current) Operator:

Union Texas Petroleum Corporation
14001 E. Iliff Avenue, Suite 500
Aurora, Colorado 80014

New Operator:

Enstar Corporation
14001 E. Iliff Avenue, Suite 500
Aurora, Colorado 80014

Effective Date: September 26, 1984

18. I hereby certify that the foregoing is true and correct

SIGNED

Derald M. Weston

TITLE DIVISION GENERAL MANAGER DATE 4-29-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 1, 1985

Mr. Kirk Cathey
Union Texas Petroleum
4000 N. Big Springs, Suite 500
Midland, Texas 79705

Dear Mr. Cathey:

Re: Well No. South Pine Ridge 7-6 - Sec. 6, 30S., 25E
San Juan County, Utah - API #4303730714

Enclosed are copies of two sundries submitted to this office indicating that the current operator of this well is Enstar Corporation. These are in direct conflict with the Monthly Oil and Gas Production Report for May 1985 submitted by Union Texas Petroleum. You will note that on the enclosed copy this well was added at the bottom.

Our office will continue to list the operator of this well as Enstar until such time as an official change of operator is received.

If you have any further questions or problems regarding this matter please contact Claudia Jones at (801) 538-5280.

Sincerely,

Claudia L. Jones
Production Specialist

Enclosures (3)
cc: Dianne R. Nielson
Ronald J. Firth
Norman C. Stout
File
0063S-9

**Thermal
Exploration**

A Washington Energy Company



Sent Copy to:
TAX Comm.

April 28, 1988

State of Utah
355 West North Temple
3 Triad Center #350
Salt Lake City, Utah 84180

43-037-30714

Re: South Pine Ridge Unit #7-6
1600' FNL & 1820' FEL, Section 6, T30s-R25E

This is to notify you that Thermal Exploration, Inc. has purchased Enstar Corporations interest in the above referenced property. The effective date of the purchase was October 1, 1987, although the closing of the sale did not take place until April 8, 1988.

Per our phone call the tax ID# assigned by you for Thermal Exploration, Inc. is N0995.

TAX → If I can be of further assistance, please let me know. Please send copies of the necessary tax reports we must file, along with the instructions.

Sincerely yours,

Susan Tebrink

Susan Tebrink,
Supervisor Natural
Resources Accounting

RECEIVED
MAY 2 1988

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)RECEIVED
NOV 07 1988

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. USA U-51306	
2. NAME OF OPERATOR Union Texas Petroleum		6. IF INDIAN, ALLOTTED OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 2120, 1330 Post Oak Blvd., Houston, TX 77252-2120		7. UNIT AGREEMENT NAME South Pine Ridge Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1600' FNL & 1820' FEL		8. FARM OR LEASE NAME South Pine Ridge	
14. PERMIT NO. 43-037-30714		9. WELL NO. 7-6	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6978' GR		10. FIELD AND POOL, OR WILDCAT Lisbon	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sect. 6-T30S-R25E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>

(Other) Notice of intention to change operator ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>

(Other) ☐ (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Request to change operator on above well from Union Texas Petroleum
to Thermal Exploration, Inc. EFFECTIVE MAY 1, 1988

11/09/88

chg was made on 5/8/88
per sundry received.

JAS

THERMAL EXPLORATION, Inc.

J. K. Woolley
H&L & Co. Inc.
206-622-6767

18. I hereby certify that the foregoing is true and correct

SIGNED

J. K. Woolley

TITLE Manager Divestiture Project

DATE

5/1/88 EFFECTIVE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

55 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
4180-1203. • (801-538-5340)

DOGM 56-64-21
an equal opportunity employer

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

RECEIVED
MAY 10 1991

Operator name and address:

• THERMAL EXPLORATION
8400 E. PRENTICE
ENGLEWOOD CO 80111
ATTN: JANET GRANT

RECEIVED

MAY 31 1991

DIVISION OF
OIL GAS & MINING

Utah Account No. N0995

Report Period (Month/Year) 4 / 91

Amended Report ☐

Well Name	Producing	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
SO. PINE RIDGE 7-6					
4303730714 02740 30S 25E 6	ISMY	30	21	2536	0

**Washington
Energy Resources**

A Washington Energy Company

Thermal Exploration, Inc. has changed its name effective February 26, 1991, to
Washington Energy Exploration, Inc.
and is a subsidiary of Washington Energy Resources Company.

Corporate Headquarters
720 Olive Way, #500
Seattle, WA 98101
Phone: (206) 521-5000
Fax: (206) 622-5021

Rocky Mountain Division
7400 E. Orchard Rd., #360
Englewood, CO 80111
Phone: (303) 694-0650
Fax: (303) 694-0866
As of May 1, 1991

Gulf Coast Division
16666 Northchase Dr., #375
Houston, TX 77060
Phone: (713) 875-8500
Fax: (713) 873-0056

Washington
Energy Resources

Please change monthly oil & gas reports on the So. Pine Ridge 7-6

TOTAL

21

2536

0

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 5/21/91

Janet Grant
Authorized signature

Telephone (303) 694-0650

Routing:

1- LCR	<input checked="" type="checkbox"/>
2- DTS	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- RWM	<input checked="" type="checkbox"/>
6- LCR	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Change of Operator (well sold)
Designation of Operator

☐ Designation of Agent
☒ Operator Name & ADDRESS CHANGE

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-26-91).

(new operator)	WASHINGTON ENERGY EXPLOR., INC	FROM (former operator)	THERMAL EXPLORATION
(address)	7400 E. ORCHARD RD., #360	(address)	8400 E. PRENTICE
	ENGLEWOOD, CO 80111		ENGLEWOOD, CO 80111
	JANET GRANT		JANET GRANT
	phone (303) 694-0650		phone (303) 694-0650
	account no. N7135 (6-3-91)		account no. N 0995

Well(s) (attach additional page if needed):

Name: SO. PINE RIDGE 7-6/ISMY	API: 4303730714	Entity: 2740	Sec 6	Twp 30S	Rng 25E	Lease Type: U-16577
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec. 5-31-91)
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) yes If yes, show company file number: #065062.
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (6-4-91)
6. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

TY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

ING

RWM

1. All attachments to this form have been microfilmed. Date: June 7 1991.

NG

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

MENTS

110604 bhm / meab Approved eff. 4-3-91. Includes "South Pine Ridge Unit".

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BIOAB DISTRICT
FEB 28 1994

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
WASHINGTON ENERGY EXPLORATION, INC.

3. Address and Telephone No.
7400 E. ORCHARD RD., STE. 360; ENGLEWOOD, CO 80111; (303)694-0650

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1600' FNL & 1820' FEL (SWNE) SEC. 6-T30S-R25E

5. Lease Designation and Serial No.
U-16577

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
SOUTH PINE RIDGE UNIT

8. Well Name and No.
#7-6

9. API Well No.
43-037-30714

10. Field and Pool, or Exploratory Area
WILDCAT

11. County or Parish, State
SAN JUAN, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED RECOMMENDED PROCEDURE TO ACIDIZE ISMAY PERFS 5774' - 5802' & TO TEST THE FOLLOWING INTERVALS:

INTERVAL	
HERMOSA	3628' - 3636'
HERMOSA	3647' - 3658'
HERMOSA	3854' - 3880'
HERMOSA	4506' - 4523'
LA SAL	5286' - 5344'

RECEIVED
JAN 25 1994

14. I hereby certify that the foregoing is true and correct

Signed Terry Jackson Title SENIOR PRODUCTION ENGINEER Date 01/14/94

(This space for Federal or State office use)

Approved by William C. H. Title Associate District Manager Date 1/20/94

Conditions of approval, if any:

CONDITIONS OF APPROVAL, ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

Washington Energy Exploration, Inc.
Well No. South Pine Ridge Unit 7-6
SWNE Sec. 6, T. 30 S., R. 25 E.
San Juan County, Utah
South Pine Ridge Unit 8910203080 (U-16577).

CONDITIONS OF APPROVAL

1. Within thirty days of completing the proposed operations a revised Well Completion or Recompletion Report and Log (Form 3160-4) shall be submitted to this office.
2. Notify Jeff Brown of the Bureau of Land Management, San Juan Resource Area in Monticello, Utah at (801) 587-2141 prior to commencing operations.

PROCEDURE TO TEST
LA SAL & HERMOSA

SO. PINE RIDGE UNIT #7-6

SW NE Section 6-T30S-R25E
San Juan County, Utah

January 11, 1994

Well Data

Location: 1600' FNL & 1820' FEL (SW NE) Section 6-T30S-R25E

Elevation: 6978' GL; 6996' KB

TD: 5980'

PBTD: 5879'

Casing: 10-3/4", 40.5#, ST&C set at 304' w/ 100 sx (circ cement to surface)
5-1/2", 17#, J-55, LT&C set @ 5942' w/ 1300 sx. TOC @ 2160'.

Tubular Dimensions & Strengths:

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u> <u>(bbl/ft)</u>	<u>Burst</u> <u>(psi)</u>	<u>Collapse</u> <u>(psi)</u>
5-1/2", 17#, J-55, LT&C	4.892"	4.767"	.0232	5,320	4,910
2-3/8", 4.7#, J-55, EUE	1.995	1.901	.00387	7,700	8,100

Depth Reference: Schlumberger Compensated Neutron-Formation Density Log
(11-7-81 & 11-13-81)

Proposed Perfs: Hermosa 3628'-3636'
3647'-3658'
3854'-3880'
4506'-4523'

La Sal 5286'-5344'

Present Status: Well shut in since April, 1992 due to lack of market. Ismay
perfs 5774'-5802' capable of producing +50 MCFD & 1 BCPD.
Baker "R-3" packer set @ 5743' w/ end of tailpipe @ 5805'.

Procedure

1. MIRU workover unit. Bleed off shut in pressure. Pressure test 2-3/8" x 5-1/2" annulus to 1000 psi. RIH w/ sinker bar on swabline to +5820' to insure that end of 2-3/8" packer tailpipe @ 5805' is open. Swab tubing down to Baker R-3 packer @ 5743'.
2. Acidize Ismay interval 5774'-5802' down 2-3/8" tubing w/ 1500 gallons 15% HCL acid w/ silt suspender, corrosion inhibitor and iron sequestering agent. Displace acid to perfs w/ 2% KCL water.

Note:

- A) Pump acid & displacement fluid @ 2-3 BPM. Anticipated treating pressure 4000 psi.
 - B) Hold 1000 psi on annulus throughout acid job.
3. Swab/flow test interval 5774'-5802'. Measure stabilized gas flow rate from Ismay perfs w/ FTP 100 psi.
 4. Load 2-3/8" tubing w/ 2% KCL water. ND tree & NU BOPS.
 5. Release Baker Model R-3 packer at 5743'. TOOH w/ tubing & packer.
 6. TIH w/ R-3 packer & retrievable bridge plug w/ ball catcher on 2-3/8" tubing. Run one joint tailpipe below packer & SN one joint above packer. Set RBP @ +5670' & R-3 packer @ +5180'. Pressure test RBP & packer to 1000 psi. Swab tubing down to 3000'.
 7. RU wireline company w/ lubricator. Perforate the following interval w/ a 1-11/16" tubing gun (magnetically decentralized w/ 0° phasing), 2 JSPF:

<u>La Sal</u>	<u>Feet</u>	<u>Total Shots</u>
5286'-5344'	58	116

Schlumberger Compensated Neutron-Formation Density Log (11-7-81 & 11-13-81)

8. Swab/flow test interval 5286'-5344'. Catch gas, oil & water samples for lab analysis.
9. Acidize La Sal interval 5286'-5344' w/ 3000 gallons 15% HCL acid w/ silt suspender, corrosion inhibitor and iron sequestering agent. Displace acid to perfs w/ 2% KCL water.

Note:

- A) Pump acid & displacement fluid @ 4-5 BPM. Anticipated treating pressure 5500 psi.
 - B) Hold 1000 psi on annulus throughout acid job.
 - C) Distribute 90 - 1.1 S.G. balls evenly in acid.
10. Swab/flow test interval 5286'-5344'. Catch gas, oil & water samples for lab analysis.

If La Sal interval 5286'-5344' is commercial, proceed to Step 28.

If La Sal interval 5286'-5344' is wet, proceed to Step 11.

11. Release R-3 packer at 5180'. TIH w/ tubing & PU retrievable bridge plug @ 5670'. Reset RBP @ $\pm 4620'$ & packer @ $\pm 4390'$. Pressure test RBP & packer to 1000 psi. Swab tubing down to 2500'.

12. RU wireline company w/ lubricator. Perforate the following interval w/ a 1-11/16" tubing gun (magnetically decentralized w/ 0° phasing), 2 JSPF:

<u>Hermosa</u>	<u>Feet</u>	<u>Total Shots</u>
4506'-4523'	17	34

Schlumberger Compensated Neutron-Formation Density Log (11-7-81 & 11-13-81)

13. Swab/flow test interval 4506'-4523'. Catch gas, oil & water samples for lab analysis.

14. Acidize Hermosa interval 4506'-4523' w/ 1000 gallons 15% HCL acid w/ silt suspender, corrosion inhibitor and iron sequestering agent. Displace acid to perfs w/ 2% KCL water.

Note:

A) Pump acid & displacement fluid @ 2-3 BPM. Anticipated treating pressure 3000 psi.

B) Hold 1000 psi on annulus throughout acid job.

15. Swab/flow test interval 4506'-4523'. Catch gas, oil & water samples for lab analysis.

If Hermosa interval 4506'-4523' is commercial, proceed to Step 28.

If Hermosa interval 4506'-4523' is wet, proceed to Step 16.

16. Release R-3 packer at 4390'. TIH w/ tubing & PU retrievable bridge plug @ 4620'. Reset RBP @ $\pm 3980'$ & packer @ $\pm 3750'$. Pressure test RBP & packer to 1000 psi. Swab tubing down to 2000'.

17. RU wireline company w/ lubricator. Perforate the following interval w/ a 1-11/16" tubing gun (magnetically decentralized w/ 0° phasing), 2 JSPF:

<u>Hermosa</u>	<u>Feet</u>	<u>Total Shots</u>
3854'-3880'	26	52

Schlumberger Compensated Neutron-Formation Density Log (11-7-81 & 11-13-81)

18. Swab/flow test interval 3854'-3880'. Catch gas, oil & water samples for lab analysis.

19. Acidize Hermosa interval 3854'-3880' w/ 1500 gallons 15% HCL acid w/ silt suspender, corrosion inhibitor and iron sequestering agent. Displace acid to perfs w/ 2% KCL water.

Note:

A) Pump acid & displacement fluid @ 2-3 BPM. Anticipated treating pressure 2500 psi.

B) Hold 1000 psi on annulus throughout acid job.

20. Swab/flow test interval 3854'-3880'. Catch gas, oil & water samples for lab analysis.

If Hermosa interval 3854'-3880' is commercial, proceed to Step 28.

If Hermosa interval 3854'-3880' is wet, proceed to Step 21.

21. Release R-3 packer at 3750'. TIH w/ tubing & PU retrievable bridge plug @ 3980'. Reset RBP @ $\pm 3780'$ & packer @ $\pm 3500'$. Pressure test RBP & packer to 1000 psi. Swab tubing down to 2000'.
22. RU wireline company w/ lubricator. Perforate the following intervals w/ a 1-11/16" tubing gun (magnetically decentralized w/ 0° phasing), 2 JSPF:

<u>Hermosa</u>	<u>Feet</u>	<u>Total Shots</u>
3628'-3636'	8	16
3647'-3658'	11	22

Schlumberger Compensated Neutron-Formation Density Log (11-7-81 & 11-13-81)

23. Swab/flow test interval 3628'-3658'. Catch gas, oil & water samples for lab analysis.
24. Acidize Hermosa interval 3628'-3658' w/ 1000 gallons 15% HCL acid w/ silt suspender, corrosion inhibitor and iron sequestering agent. Displace acid to perfs w/ 2% KCL water.

Note:

- A) Pump acid & displacement fluid @ 4-5 BPM. Anticipated treating pressure 3000 psi.
- B) Hold 1000 psi on annulus throughout acid job.
- C) Distribute 25 - 1.1 S.G. balls evenly in acid.

25. Swab/flow test interval 3628'-3658'. Catch gas, oil & water samples for lab analysis.

If Hermosa interval 3628'-3658' is commercial, proceed to Step 28.

If Hermosa interval 3628'-3658' is wet, proceed to step 26.

26. Release R-3 packer at 3500'. TIH w/ tubing & PU retrievable bridge plug @ 3780'. POOH w/ tubing, packer & RBP.
27. TIH w/ R-3 packer on 2-3/8" tubing. Run SN one joint above packer. Set packer @ $\pm 5710'$. ND BOP's & NU tree. Swab well down & flow test Ismay interval 5774'-5802'. Proceed to Step 28.
28. ND BOPS & NU tree. Obtain gas pipeline connection and return well to production.

ELEVATIONS:

6978' GL
6996' KB

SURFACE
CASING

10-3/4", 40.5#
SET AT 304'
W/ 100 SX

HOLE
DIAMETER
12-1/4"

HOLE
DIAMETER
9-7/8"

5-1/2", 17#
J-55, LT&C
SET AT 5942'
W/ 1300 SX

2-3/8", 4.7#
J-55, EUE TUBING

TOP OF CEMENT
AT 2160'

ISMAV PERFS:
5774'-5802'

BAKER "R-3" PACKER
SET AT 5743'

END OF PKR TAILPIPE
AT 5805'
PBTD AT 5879'

TD AT 5980'

WASHINGTON ENERGY

7400 E. ORCHARD ROAD SUITE 360
ENGLEWOOD, COLORADO 80111

SO. PINE RIDGE UNIT #7-6

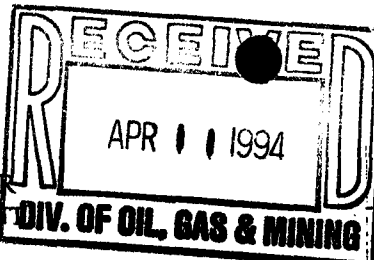
SW NE SECTION 6-T30S-R25E
SAN JUAN CO., UTAH

LEASE NO. U-16577

WELLBORE DIAGRAM

DRAWN 2/93

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WASHINGTON ENERGY EXPLORATION, INC.

3. Address and Telephone No.

7400 E. ORCHARD RD., STE. 360; ENGLEWOOD, CO 80111; (303)694-0650

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1600' FNL & 1820' FEL (SWNE) SEC. 6-T30S-R25E

5. Lease Designation and Serial No.

U-16577

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

SOUTH PINE RIDGE UNIT

8. Well Name and No.

#7-6

9. API Well No.

43-037-30714

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion ATTEMPT
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached chronological report on workover operations on South Pine Ridge Unit #7-6.

Workover Summary:

2/19/94 - 3/22/94:

Frac'd Ismay 5774'-5802' w/ 2,335 bbls x-link gel, 136,000 lbs 20-40 sand & 40,000 lbs 20-40 resin coated sand & flow tested.

3/23/94 - 3/31/94:

Perforated & tested Hermosa intervals 3628'-3636', 3647'-3658', 3854'-3880', 4506'-4523' and La Sal interval 5286'-5344'. Hermosa and La Sal intervals are non-productive.

4/1/94 - 4/6/94 :

Isolated Hermosa and La Sal perforations in 2-3/8" x 5-1/2" annulus w/ packer and flow tested Ismay 5774'-5802' (321 MCFD w/ FTP 100 psi). SI well 4/6/94 to wait on gas salesline connection.

14. I hereby certify that the foregoing is true and correct

Signed Terry L Jackson Title SENIOR PRODUCTION ENGINEER Date 4-6-94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

15. Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

WASHINGTON ENERGY EXPLORATION, INC.

(303) 694-0650

WORKOVER REPORT

DELIVER FAX TO:

Tom Liebsch/Quintana Petroleum
Box 3301, 601 Jefferson, Ste 3600
Houston, Texas 77253
FAX #: (713) 651-8864
PH#: (713) 651-8600

Harry H. Cullen Oil Operator
Box 3331, G. McConnell/J. Watkins
Houston, TX 77253
FAX #: (713) 651-8866
PH#: (713) 651-8875 Home# 360-3596

Well Name: **S. PINE RIDGE UNIT #7-6** 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996' KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline:	date of test 12/12/81
Compl. Date:	12/12/81	DOFP:	date of test 12/12/81

2/09/94 S. Pine Ridge Unit #7-6 has been shut in since April, 1992 when the Slickrock Gas Plant was dismantled. Well is currently capable of producing ± 50 MCFD & 1 BCPD with FTP 500 psi from Ismay interval 5,774'-5,802'. Plan to acidize Ismay perfs 5,774'-5,802' & flow test. Also plan to perforate & test LaSal interval 5,286'-5,344' & Hermosa intervals 3,628'-3,636', 3,647'-3,658', 3,854'-3,880' & 4,506'-4,523'. Plowed road to location. Will move in Big "A" Workover rig today, 2-9-94, swab well down & check PBTD. Plan to acidize Ismay perfs 5,774'-5,802' on Thursday 2-10-94.
DC: \$1,061 CWC: \$1,061

2/10/94 Prep to check PBTD with sandline & acidize Ismay perfs 5,774'-5,802'. SITP 1825 psi. Set & tested anchors. MIRU Big "A" workover rig. Opened well to pit to bleed off SI pressure.
DC: \$4,711 CWC: \$5,772

2/11/94 Opened well to pit @ 8 AM, 2-9-94. Well unloaded 40 bbls condensate/23½ hrs, no gas measurement. Pressure tested 2⅜" x 5½" annulus to 1,000 psi, held ok. Flow tested well through production unit & meter run prior to acid job: 900 MCFD with FTP 400 psi. RU Halliburton & acidized Ismay 5,774'-5,802' with 1500 gallons 15% HCL acid with additives. Max treating pressure 387 psi @ 3 BPM; ISIP 0 psi. Displaced acid with 24 BW. Total load to recover 60 BLW. RU to swab, IFL @ 1,600'. Pulled swab from 4,000' two times & well started flowing. Gas Rate: 1200 MCFD with FTP 410 psi. Recovered 14 BC & 60 BLW/8 hrs. DC: \$7,752 CWC: \$13,524

2-12/2-14 Flow testing Ismay 5,774'-5,802'.

Date	MCFD	FTP (psi)	Comments
2/12/94	629	200	Recovered 10 BC/20½ hrs
2/13/94	555	175	Recovered 5 BC/19 hrs
2/14/94	485	160	Recovered 4 BC/24 hrs

DC: \$3,532 CWC: \$17,056

2/15/94 Prep to POOH with 2⅜" tbg & 2⅞" tbg & pkr. Gas Rate: 429 MCFD with FTP 150 psi; recovered 3 BC/24 hrs. Plan to frac Ismay 5,774'-5,802' on Friday, 2-18-94. DC: \$1,173 CWC: \$18,229

2/16/94 Hauling in frac tanks & wtr for sand frac on Ismay 5,774'-5,802'. Loaded 2⅜" tbg with Cla-Sta wtr to control well. ND tree & NU BOP's. Released Baker R-3 pkr @ 5,743' & TOOH with 93 stds 2⅜" tbg & pkr. TIH with Baker large bore retrievable pkr & 183 jts rental 2⅞", 6.5# N-80, EUE tbg. Set pkr @ 5,684' with 20,000 lbs compression. DC: \$5,097 CWC: \$23,326

2/17/94 MI frac equip. Pressure tested 2⅞" x 5½" annulus to 1,000 psi. PLAN TO FRAC ISMAY 5,774'-5,802' ON FRIDAY 2-18-94.

DC: \$3,117 CWC: \$26,443
2/18/94 Prep to frac Ismay 5,774'-5,802'. MIRU Halliburton frac equipment.
DC: \$2,000 CWC: \$28,443

WASHINGTON ENERGY EXPLORATION, INC.

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Harry H. Cullen Oil Operator
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Houston, TX 77253
FAX #: (713) 651-8866
PH#: (713) 651-8875 Home# 360-3596

Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996'KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline:	date of test 12/12/81
Compl. Date:	12/12/81	DOFP:	date of test 12/12/81

2/19/94 Set additional 10,000 lbs on retrievematic pkr @ 5,684' for total of 30,000 lbs compression. Installed frac valve on 2 7/8" tbg & RU Halliburton. Pressured up 2 7/8" x 5 1/2" annulus to 1,000 psi. Press test lines to 9,000 psi. Frac'd Ismay 5,774'-5,802' dn 2 7/8" tbg with 2,335 bbls x-link gel, 136,000 lbs 20-40 sand & 40,000 lbs 20-40 resin coated sand. Pumped 957 bbls Hybor G3395 x-link gel pad followed by 1378 bbls x-link gel with 1-5 PPG 20-40 sand. Last 40,000 lbs of 20/40 sand was resin coated. Flushed to perfs with 33 bbls gelled wtr. Avg trtg press 5300 psi @ 19 BPM. ISIP 3100 psi, 5 min SIP 3022 psi, 10 min SIP 2978 psi, 20 min SIP 2910 psi, 30 min SIP 2857 psi. Total load to recover 2368 bbls. RDMO Halliburton frac equipment.
DC: \$80,802 CWC: \$109,245

2/20/94 Had trouble getting to location due to muddy roads. Thawed out tbg, SITP 0 psi. RIH with swab, IFL @ surface. Made 6 swab runs, recovered 36 BLW/2 hrs. Fluid level stayed @ 2,300'. Had trouble w/sand tearing up swab cups. Total load left to recover: 2332 bbls.
DC: \$3,060 CWC: \$112,305

2/21/94 SITP 0 psi. RIH with swab; IFL @ 1,500'. Made 3 swab runs & recovered 23 BLW. Swab stuck @ ± 3,100' on 3rd swab run. Wait on line cutter. Dropped 3-Kinley cutters before getting cut on swab line. SDFN. Total load to recover: 2309 bbls.
DC: \$3,076 CWC: \$115,381

2/22/94 POOH with swab line. Released retrievematic pkr @ 5,684'. POOH with 40 stds tbg & started recovering heavy gel & sand. Recovered line cutter #3 after 48 stands & line cutters #2 & #1 after 51 stands. Line cutters #1 & #2 were covered with sand. All 3-cutters had cut the swab line; 6 joints of tbg above swab were full of heavy gel & sand. Finished POOH with 2 7/8" tbg & LD pkr. TIH with 2 7/8" tbg with notched collar & SN on btm. Tagged sand fill @ 5,684'. Circ frac sand out of 5 1/2" casing from 5,684' to PBD @ 5,879'. No fluid loss while circulating. LD 7 jts tbg; left tbg hanging with SN @ 5,676'. Poured new rope socket & RU swab line, SDFN.
DC: \$7,112 CWC: \$122,493

2/23/94 Swab testing Ismay 5,774'-5,802' after frac.

Time	BLW Recovered	Fluid Level	Tbg psi	SICP psi	Remarks
9 AM 2/22	21.0	1600'	0	0	SITP 0 psi, Initial FL @ 700'
10:00	25.7	2500'	0	0	Gas cut
11:00	30.1	2600'	10	0	
12 PM	23.0	2800'	15	75	
1 PM	21.7	2900'	15	170	Trace sand
2 PM	21.7	2900'	15	220	
3 PM	21.7	2800'	15	265	
4 PM	21.7	3000'	15	295	
5 PM	13.3	3400'	15	330	Strong blow
Swabbed 200 BLW/9 hrs.					Total load left to recover: 2198 bbls.
DC: \$4,948					CWC: \$127,441

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Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect: Big Indian	TD: 5,974'
Location: SW/4 NE/4 Sec. 6-T30S-R25E	Objective: Ismay, LaSal,
Co., State: San Juan County, Utah	WEEX WI: Hermosa 50.00%
Lease No.: U-16577	Rig: Big "A"
API No.: 49-037-30714	GL/RKB: 6,978'/6,996' KB
AFE No.: 94-027-UTW	Total AFE Cost: \$105,000
Spud Date: 8/30/81	Pipeline: date of test 12/12/81
Compl. Date: 12/12/81	DOFP: date of test 12/12/81

2/24/94

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
					SITP 350 psi SICP 375 psi Initial FL @ 2900'
9 AM 2-23	6.7	2700'	10	500	
10 AM	5.0	3900'	50	490	
11 AM	3.3	5000'	70	375	
12 PM	4.2	5000'	50	300	
1 PM	2.5	5000'	50	300	Steady gas blow

Bled off tbg & CP & pumped 5 BW dn tbg. PU 4 jts 2 7/8" tbg, TIH & tagged sandfill @ 5,770' (Ismay perfs: 5,774'-5,802'). Circ out frac sand with KCL wtr to PBTD @ 5,879'. Lost 68 BW into perfs while circ. LD 7 jts tbg & landed tbg with SN @ 5,676'. SDFN. Total load left to recover: 2310 bbls. NOTE: Cum cost reduced by \$7,443 to reflect actual Halliburton frac cost.
DC: \$4,279 CWC: \$124,277

2/25/94 Swab testing Ismay 5,774'-5,802' after frac:

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
					SITP & SICP 0 psi Initial FL @ 1400'
9 AM 2-24	33.4	2000'	0	0	
10 AM	40.1	2600'	0	0	
11 AM	40.1	3700'	0	0	
12 PM	18.4	4400'	0	52	
1 PM	11.7	4600'	0	100	
2 PM	11.7	4700'	0	100	
3 PM	16.7	4600'	0	150	
4 PM	13.4	4800'	TSTM	175	
5 PM	6.7	5100'	TSTM	200	Sli blow on tbg.

Recovered 192 BLW/9 hrs. Total load left to recover: 2118 bbls.
DC: \$3,173 CWC: \$127,450

2/26/94 Swab tested Ismay 5,774'-5,802' after frac:

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
					SITP 268 psi SICP 440 psi Initial FL @ 3800'
9 AM 2-25-94	31.7	3500'	50	400	
10 AM	5.0	4900'	40	240	
11 AM	0.8	5000'	22	200	
12 PM	5.8	4900'	42	250	

Bled off press. PU 6 jts 2 7/8" tbg & tagged fill @ 5,851' (28' fill). LD 6 jts tbg. Flow tested well through production unit, initial rate 29 MCFD. Left well flowing to psi overnight, gas declining. Recovered 43 BLW/4 hrs. Total load left to recover: 2075 bbls.
DC: \$4,388 CWC: \$131,838

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Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996'KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline:	date of test 12/12/81
Compl. Date:	12/12/81	DOFP:	date of test 12/12/81

2/27/94 FTP 0 psi, SICP 550 psi/29 hrs. Gas TSTM. No activity.
DC: \$1,056 CWC: \$132,894

2/28/94 FTP 0 psi, SICP 900 psi/77 hrs. No activity. Plan to resume swabbing Monday AM 2-28-94.
DC: \$533 CWC: \$133,427

3/01/94 Swab tested Ismay 5,774'-5,802';

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
			FTP 0 psi		
			SICP 900 psi		
			IFL @ 3000'		
9 AM 2-28	13.3		10	475	
10 AM	11.7	5200'	60	440	
11 AM	8.4	5200'	40	240	
12 PM	6.7	5300'	20	200	
1 PM	3.3	5300'	20	150	
2 PM	1.7	5400'	30	190	
3 PM	1.7	5300'	30	200	
4 PM	3.3	5400'	20	200	
5 PM	1.7	5400'	20	200	

Roads very muddy; had to bring in cat to work lease road. Recovered 52 BLW/9 hrs. Total load left to recover: 2023 bbls.
DC: \$3,077 CWC: \$136,504

3/02/94

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
		SITP 380 psi, SICP 500 psi			IFL @ 4900'
9 AM 3-1	5.0	4900'			
10 AM	1.7	5300'			
11 AM	0.8	5400'			

Rec 8 BLW/3 hrs. Total load left to recover: 2015 bbls. PU 6 jts tbg & tagged fill @ 5,847' (45' below perfs 5,774'-5,802'). TOOH & LD rental 2 7/8" tbg. Changed pipe rams & TIH with 2 3/8" tbg as follows:

Top	185 jts 2 3/8", 4.7#, J-55, EUE tbg	5710.95'
SN		1.11'
1 jt 2 3/8"		31.65'
2 3/8" collar		.40'
x-over		.36'
2 7/8" notched collar		.40'

Left tubing open to 400 bbl tank & casing open to pit overnight. Reduced rig crew from 4 to 2 men to reduce daily costs for swab operation. Released rental 2 7/8" tbg.
DC: \$3,541 CWC: \$140,045

WASHINGTON ENERGY EXPLORATION, INC.

(303) 694-0650

WORKOVER REPORT

DELIVER FAX TO:

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FAX #: (713) 651-8864
PH#: (713) 651-8600

Harry H. Cullen Oil Operator
Box 3331, G. McConnell/J. Watkins
Houston, TX 77253
FAX #: (713) 651-8866
PH#: (713) 651-8875 Home# 360-3596

Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996'KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline: date of test	12/12/81
Compl. Date:	12/12/81	DOFP: date of test	12/12/81

3/03/94

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
9 AM 3-2-94	6.7	4900'			IFL @ 4300', tr of oil 1st swab run
10 AM	5.0	5000'			
11 AM	1.7	5200'			
12 AM	1.7	5400'			
1 PM	1.7	5400'			
2 PM	0.8	5300'			
3 PM	0.8	5300'			
4 PM	0.8	5300'			
5 PM	0.8	5300'			
Gas TSTM. Recovered 20 BLW/9 hrs. Total load left to recover: 1995 bbls.					
DC: \$1,540		CWC: \$141,585			

3/04/94

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
9 AM 3-3-94	5.1	4800'			IFL @ 4300', tr of oil 1st swab run
10 AM	3.3	5200'			
11 AM	3.3	5300'			
12 AM	1.7	5400'			
1 PM	1.7	5300'			
2 PM	0.8	5400'			
3 PM	0.8	5300'			
4 PM	0.8	5400'			
5 PM	0.8	5400'			
Gas TSTM. Recovered 18 BLW/9 hrs. Total load left to recover: 1977 bbls.					
DC: \$1,483		CWC: \$143,068			

3/05/94

Swab tested Ismay 5,774'-5,802':

<u>Time</u>	<u>BLW Recovered</u>	<u>Fluid Level</u>	<u>Tbg psi</u>	<u>SICP psi</u>	<u>Remarks</u>
9 AM 3-4-94	3.3	5300'			IFL @ 4900'
10 AM	3.3	5300'			
11 AM	0.8	5400'			
12 PM	0.8	5400'			
1 PM	0.8	5400'			
2 PM	0.0	5500'			
3 PM	0.8	5500'			
4 PM	0.0	5500'			
5 PM	0.8	5500'			
Gas TSTM. Recovered 11 BLW/9 hrs. Total load left to recover: 1966 bbls.					
DC: \$1,480		CWC: \$144,548			

3/06/94

No activity.
DC: \$100 CWC: \$144,648

3/07/94

SITP 1000 psi & SICP 1000 psi/62 hrs. Will bleed off SIP & swab test to evaluate Ismay 5,774'-5,802'.
DC: \$100 CWC: \$144,748

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FAX #: (713) 651-8866
PH#: (713) 651-8875 Home# 360-3596

Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996'KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline: date of test	12/12/81
Compl. Date:	12/12/81	DOFP: date of test	12/12/81

3/08/94 Bled off 1,000 psi SITP & SICP. Swab tested as follows:

Time	BLW Recovered	Fluid Level	Remarks
9 AM 3-7-94	0.0	5400'	IFL @ 5400'
10 AM	0.0	5400'	
11 AM	0.8	5400'	
12 PM	0.0	5500'	
1 PM	0.8	5400'	
2 PM	0.8	5500'	
3 PM	0.8	5400'	
4 PM	0.8	5400'	
5 PM	0.8	5400'	

Gas TSTM. Recovered 5 BLW/9 hrs. Total load left to recover: 1961 bbls.
DC: \$1,445 CWC: \$146,193

3/09/94 Prep to acidize Ismay 5,774'-5,802'. RIH with swab & tagged fluid @ 5,000'. Lowered tbg & tagged sandfill @ 5,847' (45' below perfs). TOOH with 2³/₈" tbg. TIH with R-3 pkr on 2³/₈" tbg & set pkr @ 5,709'. Loaded annulus with KCL wtr & press test annulus to 1,000 psi.
DC: \$1,897 CWC: \$148,090

3/10/94 RU Halliburton. Acidized Ismay 5,774'-5,802', dn 2³/₈" tbg with 4,000 gallons 15% Fe acid with 5% methanol, surfactant, foamer & 700 SCF/bbl N₂. Flushed acid to perfs with nitrified wtr. Avg trtg press 3700 psi @ 4 BPM, max press 3772 psi, ISIP 2552 psi. Pumped total of 74,000 SCF N₂ & 113 bbls acid & flush. SITP 1450 psi/40 min. Swab tested as follows:

Time	BLW Recovered	Fluid Level	Tbg psi	SICP psi	Remarks
11 AM 3-9-94	23.4	-----	300	825	Flowing
12 PM	10.0	-----	90	850	Flowing
1 PM	7.5	-----	40	850	Flowing
2 PM	15.0	-----	35	850	Flowing
3 PM	7.5	-----	20	850	Start swab 3
4 PM	13.4	1000'	Blow	850	Swabbing
5 PM	15.0	800'	Blow	850	" "

Recovered 92 BLW/7 hrs. Total load left to recover (incl frac wtr): 1982 bbls. Left well open to tank overnight with good blow on tbg.
DC: \$14,812 CWC: \$162,902

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FAX #: (713) 651-8866
PH#: (713) 651-8875 Home# 360-3596

Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect: Big Indian Location: SW/4 NE/4 Sec. 6-T30S-R25E Co., State: San Juan County, Utah Lease No.: U-16577 API No.: 49-037-30714 AFE No.: 94-027-UTW Spud Date: 8/30/81 Compl. Date: 12/12/81	TD: 5,974' Objective: Ismay, LaSal, WEEX WI: Hermosa 50.00% Rig: Big "A" GL/RKB: 6,978'/6,996'KB Total AFE Cost: \$105,000 Pipeline: date of test 12/12/81 DOFP: date of test 12/12/81
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3/11/94

<u>Time</u>	<u>BLW Recovered</u>	<u>FTP psi</u>	<u>SICP psi</u>	<u>Remarks</u>
5 PM, 3/9/94 to 7:30 A 3/10	90.2	30	700	Flowing milky white wtr
8 AM	3.3	30	700	" "
9 AM	6.7	25	700	" "
10 AM	5.0	25	700	" "
11 AM	5.0	20	680	" "
12 PM	5.0	20	680	" "
1 PM	4.2	24	680	" "
2 PM	5.0	24	660	" "
3 PM	4.2	24	650	" "
4 PM	4.2	24	650	5% condensate
5 PM	4.2	24	650	5% condensate
Recovered 137 BLW/24 hrs. Total load left to recover (incl frac wtr): 1845 bbls. DC: \$2,522 CWC: \$165,424				

3/12/94

<u>Time</u>	<u>BLW Recovered</u>	<u>FTP psi</u>	<u>SICP psi</u>	<u>Remarks</u>
5 PM, 3/10/94 to 7:30 A 3/11	45.1	24	540	Flowing
8 AM	1.7	24	540	" "
9 AM	1.7	24	540	" "
10 AM	3.3	22	500	" "
11 AM	1.7	22	500	" "
12 PM	2.5	22	500	" "
1 PM	2.5	22	500	" "
2 PM	3.3	22	480	" "
3 PM	0.8	22	480	" "
4 PM	1.7	20	460	" "
5 PM	1.7	20	460	" "
Recovered 66 BLW/24 hrs. Total load left to recover: 1779 bbls. Rec wtr is milky white with 5% condensate. RIH with swab @ 9:30 AM & 2 PM, no FL. DC: \$2,043 CWC: \$167,467				

3/13/94

<u>Time</u>	<u>BLW Recovered</u>	<u>FTP psi</u>	<u>SICP psi</u>	<u>Remarks</u>
5 PM, 3/11/94 to 8 AM 3/12/94	25.9	20	380	Flowing
8 AM - 5 PM 3/12/94	13.4	20	350	Flowing
Recovered 39 BLW/24 hrs. Total load left to recover: 1740 bbls, 5% condensate in wtr samples. DC: \$550 CWC: \$168,017				

3/14/94

<u>Time</u>	<u>BLW Recovered</u>	<u>FTP psi</u>	<u>SICP psi</u>	<u>Remarks</u>
5 PM, 3/12/94 to 8 AM 3/13/94	18.4	20	300	Flowing
8 AM - 5 PM 3/13/94	9.0	20	250	Flowing
Recovered 27 BLW/24 hrs. Total load left to recover: 1713 bbls, 5% condensate in wtr samples. Will measure gas rate through SEP Monday AM 3/14. DC: \$550 CWC: \$168,567				

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Harry H. Cullen Oil Operator
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Houston, TX 77253
FAX #: (713) 651-8866
PH#: (713) 651-8875 Home# 360-3596

Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect: Big Indian Location: SW/4 NE/4 Sec. 6-T30S-R25E Co., State: San Juan County, Utah Lease No.: U-16577 API No.: 49-037-30714 AFE No.: 94-027-UTW Spud Date: 8/30/81 Compl. Date: 12/12/81	TD: 5,974' Objective: Ismay, LaSal, WEEX WI: Hermosa 50.00% Rig: Big "A" GL/RKB: 6,978'/6,996' KB Total AFE Cost: \$105,000 Pipeline: date of test 12/12/81 DOFP: date of test 12/12/81
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3/15/94	<u>Time</u>	<u>MCFD</u>	<u>BLW</u> <u>Recovered</u>	<u>FTP</u> <u>psi</u>	<u>SICP</u> <u>psi</u>	<u>Remarks</u>
	5 PM, 3/13/94 to 8 AM 3/14/94	No meas.	17.5	20	250	Flowing
	RIH with swab to pkr @ 5,709', no FL. Flow tested well through production unit.					
	8 AM to 5 PM 3/14/94	358	9.0	112	230	Stable, 9 hr.

Recovered 26 BLW/24 hrs. Total load left to recover: 1687 bbls, 11% condensate in wtr sample.
DC: \$2,644 CWC: \$171,211

3/16/94 Flow tested Ismay 5,774'-5,802'.

<u>Time</u>	<u>MCFD</u>	<u>FTP</u> <u>psi</u>	<u>SICP</u> <u>psi</u>	<u>Remarks</u>
5 PM, 3/14/94	358	112	230	Rec 1 BLW/hr
12 AM 3/15/94	348	109	230	
6 AM	346	109	230	
12 PM	357	108	220	
5 PM, 3/15/94	357	108	205	

Recovered 24 BLW/24 hrs. Total load left to recover: 1663 bbls.
DC: \$1,199 CWC: \$172,410

3/17/94

<u>Time</u>	<u>MCFD</u>	<u>FTP</u> <u>psi</u>	<u>SICP</u> <u>psi</u>	<u>Remarks</u>
5 PM, 3/15/94	357	108	205	Rec 1 BLW/hr
12 AM 3/16/94	346	106	190	
6 AM	337	106	190	
12 PM	337	106	190	
5 PM, 3/16/94	337	106	190	

Recovered 24 BLW/24 hrs. Total load left to recover: 1639 bbls.
DC: \$1,125 CWC: \$173,535

3/18/94

<u>Time</u>	<u>MCFD</u>	<u>psi</u>	<u>psi</u>	<u>Remarks</u>
5 PM, 3/16/94	337	106	190	Rec 1 BLW/hr
12 AM 3/17/94	337	106	190	
6 AM	337	106	190	
12 PM	337	106	190	
5 PM, 3/17/94	326	106	190	Rec gas meter

Recovered 24 BLW/24 hrs. Total load left to recover: 1615 bbls.
DC: \$1,125 CWC: \$174,660

3/19/94

<u>Time</u>	<u>MCFD</u>	<u>FTP</u> <u>psi</u>	<u>SICP</u> <u>psi</u>	<u>Remarks</u>
5 PM, 3/17/94	326	106	190	Rec 1 BLW/hr
12 AM 3/18/94	321	106	190	
6 AM	321	106	190	
12 PM	321	106	190	
5 PM, 3/18/94	318	106	190	

Recovered 24 BLW/24 hrs. Total load left to recover: 1591 bbls.
DC: \$1,125 CWC: \$175,785

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FAX #: (713) 651-8866

PH#: (713) 651-8875 Home# 360-3596

Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996' KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline: date of test	12/12/81
Compl. Date:	12/12/81	DOFP: date of test	12/12/81

	<u>Time</u>	<u>MCFD</u>	<u>FTP</u>	<u>SICP</u>	<u>Remarks</u>
			<u>psi</u>	<u>psi</u>	
3/20/94	5 PM, 3/18/94	318	106	190	Rec 1 BLW/hr
	12 AM 3/19/94	315	105	190	
	6 AM	315	105	190	
	12 PM	312	105	190	
	5 PM, 3/16/94	310	104	190	
	Recovered 24 BLW/24 hrs. Total load left to recover: 1567 bbls.				
	DC: \$400	CWC: \$176,185			
3/21/94	5 PM, 3/19/94	310	104	190	Rec 1 BLW/hr
	12 AM 3/20/94	304	103	190	
	6 AM	304	103	190	
	12 PM	304	103	190	
	5 PM, 3/20/94	304	103	190	
	Recovered 24 BLW/24 hrs. Total load left to recover: 1543 bbls.				
	DC: \$400	CWC: \$176,585			
3/22/94	Flow tested Ismay 5,774'-5,802'.				
	<u>Time</u>	<u>MCFD</u>	<u>FTP</u>	<u>SICP</u>	<u>Remarks</u>
	5 PM, 3/20/94	304	103	190	Rec 1 BLW/hr
	12 AM 3/21/94	304	103	190	
	6 AM	304	103	190	
	1 PM, 3/21/94	304	103	190	
	Recovered 21 BLW/21 hrs. Total load left to recover: 1522 bbls.				
	Pumped 20 bbls treated wtr dn tbq to control well. Released R-3 pkr @ 5,709' & TOOH. TIH with Baker Model "G" retrievable bridge plug & retrievematic pkr. Set RBP @ 5,674' & pkr @ 5,175'. Bridge plug would not press test. SDFN.				
	DC: \$2,867	CWC: \$179,452			
3/23/94	SITP 650 psi/14½ hrs (RBP @ 5,674' leaking). Pumped 20 bbls treated wtr dn tbq & unset pkr & bridge plug. Reset model "G" bridge plug @ 5,646' & press test to 1,000 psi, held ok. Reset retrievematic pkr @ 5,192' with 20,000 lbs compression & press test to 1,000 psi, held ok. Swabbed tbq dn to 3,000' & perforated La Sal interval 5,286'-5,344' with 1 11/16" hollow carrier gun, 2 JSPF. No press incr or change in FL after perforating. Swabbed tbq down to SN @ 5,160'. No fluid entry, weak gas blow, SDFN.				
	DC: \$11,513	CWC: \$190,965			

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Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996'KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline: date of test	12/12/81
Compl. Date:	12/12/81	DOFP: date of test	12/12/81

3/24/94 SITP 108 psi/15½ hrs. RU Halliburton & acidized La Sal interval 5,286'-5,344' with 3,000 gallons 15% HCL & 90 ball sealers. Flushed acid to perfs with 23 bbls treated wtr. Avg trtg press 3800 psi @ 5 BPM. Max press 4180 psi, good ball action. ISIP 2050 psi, 15 min SIP 1920 psi. Held 1000 psi on annulus during acid job. Total load to recover: 94 bbls. RU to swab, SITP 1860 psi/75 min, swab tested as follows:

Time	BLW Recovered	Fluid Level	Remarks
11:00	26.7	3200'	
12:00 PM	5.0	4800'	
1:00	3.3	4700'	
2:00	1.7	4900'	
3:00	0.8	4900'	
4:00	0.8	4900'	SN @ 5,160'

Rec 38 BLW/6 hrs, no show of oil or gas. Total load left to recover: 56 bbls.

DC: \$12,109 CWC: \$203,074

3/25/94 SITP 250 psi/15½ hrs (La Sal 5,286'-5,344'). Bled off press & TIH with swab. Tagged FL @ 3,400'. Swabbed 5 BLW, no show of oil or gas, final FL @ SN @ 5,160'. Pumped 20 BW down tbq & unset pkr & bridge plug. Reset RBP @ 4,619' & retrievmatic pkr @ 4,406' with 20,000 lbs compression. Press test RBP & pkr to 1,000 psi. Swabbed tbq dn to 2,500' & perforated Hermosa interval 4,506'-4,523' with 1" / 16" hollow carrier gun, 2 JSPF, 34 holes. No press incr or change in FL after perforating. Swab well dn to SN @ 4,374', no show of oil or gas, SDFN.

DC: \$6,167 CWC: \$209,241

3/26/94 SITP 15 psi/18½ hrs. RIH with swab & tagged FL @ 4,200'. Recovered small amount of black silty wtr. RU Halliburton & acidized Hermosa 4,506'-4,523' with 1,000 gallons 15% HCL. Flushed acid to perfs with 19 bbls treated wtr. Avg trtg press: 3820 psi @ 6 BPM, ISIP 1850 psi, 15 min SIP 1440 psi. Held 1,000 psi on annulus during acid job. Total load to recover: 42 bbls. RU to swab, SITP 1200 psi/20 min.

Time	BLW Recovered	Fluid Level	Remarks
10:00 AM, 3/25/94	18.4	3500'	
11:00 AM	0.8	SN	SN @ 4,374'
12:00 PM	0.0	SN	
1:00	0.0	SN	
2:00	0.0	SN	

Rec 19 BLW/5 hrs. No show of oil or gas. Total load left to recover: 23 bbls, SDFN.

DC: \$5,118 CWC: \$214,359

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Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996' KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline:	date of test 12/12/81
Compl. Date:	12/12/81	DOFP:	date of test 12/12/81

3/27/94 SITP 0 psi/17½ hrs (Hermosa 4,506'-4,523'). RIH with swab & tagged FL @ 4,200'. Recovered 2 bbls rust colored wtr. Pumped 20 BW dn tbg & unset Baker retrievomatic pkr & Model "G" bridge plug. Reset RBP @ 4,020' & pkr @ 3,738' with 16,000 lbs compression. Press test bridge plug & pkr to 1,000 psi. Swab tbg dn to 2,000'. Perforated Hermosa interval 3,854'-3,880' with 1⅞" hollow carrier gun, 2 JSPF, 52 holes. No press incr or change in fluid level. Swabbed well dn to SN @ 3,706'. No fluid entry, sli gas blow. RU Halliburton & acidized Hermosa 3,854'-3,880' with 1500 gallons 15% HCL. Flushed acid to perfs wiht 17 bbls treated wtr. Avg trtg press: 2500 psi @ 5 BPM, ISIP 1500 psi, 15 min SIP 1300 psi. Held 1,000 psi on annulus during acid job. Total load to recover: 53 bbls. RU to swab, SITP 1100 psi/50 min.

Time	BLW		Fluid Level	Remarks
	Recovered	Level		
3:00 PM, 3/26/94	23.4	3600'		
4:00 PM	0.8	3000'		
5:00 PM	0.0	3300'		

Rec 24 BLW/3 hrs. No show of oil or gas. Total load left to recover: 29 bbls, SDFN.
DC: \$12,661 CWC: \$227,020

3/28/94 SITP 22 psi/14½ hrs (Hermosa 3,854'-3,880'). No activity.
DC: \$400 CWC: \$227,420

3/29/94 SITP 18 psi/38½ hrs (Hermosa 3,854'-3,880'). RIH with swab & tagged FL @ 2,900'. Recovered 1 BLW & 3/4 bbls viscous dark green oil on 1st swab run. Had weak gas blow from 8 AM to 3 PM with no fluid entry/7 hrs. Pumped 20 BW dn tbg & unset retrievomatic pkr & model "G" bridge plug. Reset RBP @ 3,776' & pkr @ 3,497' with 16,000 lbs compression. Press test bridge plug & packer to 1,000 psi. Swab tbg dn to 2,000'. Perforated Hermosa interval 3,628'-3,636' & 3,647'-3,658' with 1⅞" hollow carrier gun, 2 JSPF, 38 holes. No press increase, SDFN.
DC: \$6,854 CWC: \$234,274

3/30/94 SITP 0 psi/14 hrs. RIH with swab & tagged FL @ 2,000', no fluid entry overnight. Swabbed tbg dn to SN @ 3,465'. No show of oil or gas, no fluid entry. RU Halliburton & acidized Hermosa perfs 3,628'-3,636' & 3,647'-3,658' with 1,000 gallons 15% HCL & 25 ball sealers. Flushed to btm perf with 750 gallons treated wtr. Avg trtg press: 3150 psi @ 5 BPM, good ball action. ISIP 1540 psi, 15 min SIP 955 psi. Held 1,000 psi on annulus throughout acid job. Total load to recover: 42 bbls. RU to swab, SITP 925 psi/30 min.

Time	BLW		Fluid Level	Remarks
	Recovered	Level		
11:00 AM, 3/29/94	18.4	2000'		
12:00 PM	2.5	3300'		
1:00 PM	0.0	3200'		
2:00 PM	0.0	3200'		

Rec 21 BLW/3½ hrs. No show of oil, weak gas blow. Total load left to recover: 21 bbls, SDFN.
DC: \$5,338 CWC: \$239,612

WASHINGTON ENERGY EXPLORATION, INC.

(303) 694-0650

WORKOVER REPORT

DELIVER FAX TO:

Tom Liebsch/Quintana Petroleum
Box 3301, 601 Jefferson, Ste 3600
Houston, Texas 77253

FAX #: (713) 651-8864

PH#: (713) 651-8600

Harry H. Cullen Oil Operator
Box 3331, G. McConnell/J. Watkins
Houston, TX 77253

FAX #: (713) 651-8866

PH#: (713) 651-8875 Home# 360-3596

Well Name: S.PINE RIDGE UNIT #7-6 1,600' FNL 1,820' FEL

Prospect:	Big Indian	TD:	5,974'
Location:	SW/4 NE/4 Sec. 6-T30S-R25E	Objective:	Ismay, LaSal,
Co., State:	San Juan County, Utah	WEEX WI:	Hermosa 50.00%
Lease No.:	U-16577	Rig:	Big "A"
API No.:	49-037-30714	GL/RKB:	6,978'/6,996'KB
AFE No.:	94-027-UTW	Total AFE Cost:	\$105,000
Spud Date:	8/30/81	Pipeline: date of test	12/12/81
Compl. Date:	12/12/81	DOFP: date of test	12/12/81

3/31/94 SITP 0 psi/17½ hrs (Hermosa 3,628'-3,636' & 3,647'-3,658'). RIH with swab & tagged FL @ 2,800'. Swabbed tbg dn to SN @ 3,465' & recovered 1 BLW, no show of oil or gas. RIH with swab @ 10 AM. No fluid entry/2 hrs. Pumped 20 BW dn tbg & unset retrievematic pkr & model "G" bridge plug. TOOH with tbg, pkr & bridge plug. TIH with Baker R-3 pkr, 1 jt 2⅜" tbg, 1.81" SN & 185 jts 2⅜", 4.7#, J-55 EUE tbg. Set pkr @ 5,712' with 22,000 lbs compression, SN @ 5,679'. Hermosa & La Sal perfs are isolated above packer in 2⅜" x 5½" annulus. SDFN. Total load left to recover from Ismay perfs: 1981 bbls (calculated using tank gauges: includes frac load wtr & assumes losses were in Ismay each time bridge plug & pkr were moved to test upper zones).
DC: \$5,720 CWC: \$245,332

4/01/94 SITP 100 psi/14½ hrs (Ismay 5,774'-5,802'). RIH with swab & tagged FL @ 1,900'. Swabbed 8 BLW & well started flowing. Flow tested as follows:

Time	BLW Recovered	FTP psi	Remarks
9:00 AM, 3/31/94	25.1	50	
10:00 AM	15.0	65	
11:00 AM	16.7	70	
12:00 PM	15.0	70	
1:00	11.7	70	
2:00 PM	16.7	50	
2:00 PM 3/31/94	80.0	100	

to 7:30 AM 4/01/94

Recovered 188 BLW/24 hrs. Will flow test well through production unit today & catch gas sample.

DC: \$2,089 CWC: \$247,421

4/02/94 Flow tested Ismay 5,774'-5,802'. Through production unit.

Time	MCFD	FTP psi
8:00 AM, 4/01/94	332	100
12:00 PM	249	80
3:00 PM	249	80

Recovered 12 BLW/7 hrs. Caught gas sample from Ismay formation for lab analysis. Released Big "A" workover rig @ 10:00 AM, 4/01/94. Unable to get to location Saturday AM, 4-2-94 due to muddy roads. Total load left to recover: 1781 bbls.

DC: \$1,706 CWC: \$249,127

4-3/4-6 Flow tested Ismay 5,774'-5,802' through production unit.

Date	MCFD	FTP psi	BLW	BLWLTR	Remarks
4-3	321	100	68	1725	68 BLW/41 hrs
4-4	321	100	28	1697	
4-5	305	140	20	1677	
4-6	331	100	18	1659	

Shut in well @ 8:45 A.M., 4-6-94; WO gas salesline connection.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

18 1994

SUNDRY NOTICES AND REPORTS ON WELLS OIL, GAS & MINING

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number U-16577
2. Name of Operator Cabot Oil & Gas Production Corp. (303) 694-0650		7. Indian Allottee or Tribe Name N/A
3. Address of Operator 7400 E. Orchard Road, Suite 360, Englewood, Co.		8. Unit or Communitization Agreement South Pine Ridge Unit
4. Telephone Number 303-694-0650		9. Well Name and Number South Pine Ridge Unit 7-6
5. Location of Well Footage 1,600' FNL & 1,820' FEL (SW/4 NE/4) QQ, Sec. T., R., M. : Section 6, T30S R25E		10. API Well Number 43-037-30714
County : San Juan State : UTAH		11. Field and Pool, or Wildcat Wildcat

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input checked="" type="checkbox"/> Other <u>Change of Operator</u>	<input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____
Approximate Date Work Will Start _____	Date of Work Completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective 5/2/94 Washington Energy Resources name changed to Cabot Oil & Gas Production Corp.

Bond coverage is being provided under Bond # CO-1061

14. I hereby certify that the foregoing is true and correct	
Name & Signature <u>Terry L. Jackson</u> (State Use Only)	Title <u>Regional Drlg. Engineer</u> Date <u>11-9-94</u>

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

Cabot Oil & Gas Prod. Corp

DONNA SKINNER Laurie Horne

WASHINGTON ENERGY EXPL INC

7400 E ORCHARD RD #360

ENGLEWOOD CO 80111

DEC

2 1994

UTAH ACCOUNT NUMBER: N7135

DIVISION OF OIL, GAS & MINING

REPORT PERIOD (MONTH/YEAR): 10 / 94

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
SO. PINE RIDGE 7-6								
4303730714	02740	30S 25E 6	1SMY	SGW	Ø	Ø	Ø	Ø
TOTALS						Ø	Ø	Ø

COMMENTS:

LISHA

12-5-94

U

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 11/30/94

Name and Signature:

Ramin J. Howls

Telephone Number: (303) 721-5874

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-REC 7-PL	<input checked="" type="checkbox"/>
2-LWP 8-SJ	<input checked="" type="checkbox"/>
3-DTA 9-FILE	<input checked="" type="checkbox"/>
4-VLC	<input checked="" type="checkbox"/>
5-RJF	<input checked="" type="checkbox"/>
6-LWP	<input checked="" type="checkbox"/>

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 5-2-94)

TO (new operator)	CABOT OIL & GAS PROD. CORP.	FROM (former operator)	WASHINGTON ENERGY EXPL INC
(address)	7400 E ORCHARD RD STE 360	(address)	7400 E ORCHARD RD #360
	ENGLEWOOD CO 80111		ENGLEWOOD CO 80111
	TERRY JACKSON		
	phone (303) 694-0650		phone (303) 694-0650
	account no. N 6345 (1-5-95)		account no. N 7135

Well(s) (attach additional page if needed): ***SOUTH PINE RIDGE UNIT**

Name: SO. PINE RIDGE 7-6/IS	API: 43-037-30714	Entity: 2740	Sec 6 Twp 30S Rng 25E	Lease Type: U16577
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- Lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 11-18-94)
- Lec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #065062. (1-5-95)
- Lec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-5-95)
- Lec 6. Cardex file has been updated for each well listed above. 1-6-95
- Lec 7. Well file labels have been updated for each well listed above. 1-6-95
- Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (1-5-95)
- Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lic* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- Lic* 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

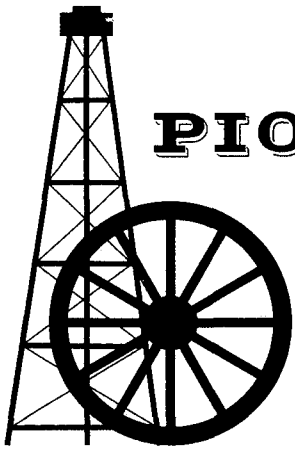
- ✓* 1. All attachments to this form have been microfilmed. Date: January 12 1995.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950105 B.M./S.L. Apr. 8-31-94 / TC updating Unit Summary list, etc.



PIONEER OIL & GAS

September 6, 1995

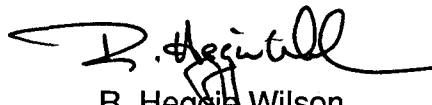
State of Utah
Division of Oil, Gas and Mining
3 Triad Center, Suite 300
Salt Lake City, UT 84111-2303

Re: South Pine Ridge Unit Area
South Pine Ridge #7-6, 6, T30S,R25E
San Juan County, Utah

Gentlemen:

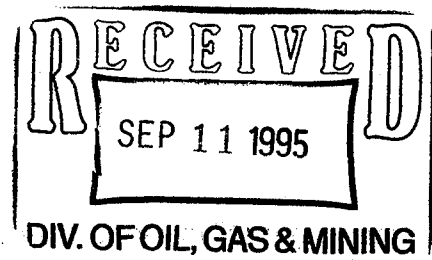
Enclosed please find a sundry notice reflecting change of operator for the above referenced well.

Sincerely,


R. Heggie Wilson
Land Manager

RHW/cf

Enc.



Form 9
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT for such proposals

6. Lease Designation and Serial Number

U-16577

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

So. Pine Ridge

9. Well Name and Number

#7-6

10. API Well Number

43-037-30714

11. Field and Pool, or Wildcat

So. Pine Ridge

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other (specify)

2. Name of Operator

Pioneer Oil and Gas

3. Address of Operator

1225 Ft. Union Blvd., #100, Midvale, UT 84047

4. Telephone Number

801-566-3000

5. Location of Well

Footage : 1600' FNL; 1820' FEL

QQ, Sec. T., R., M. : (SWNE) Sec. 6-T30S-R25E

County : San Juan

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Change of operator | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

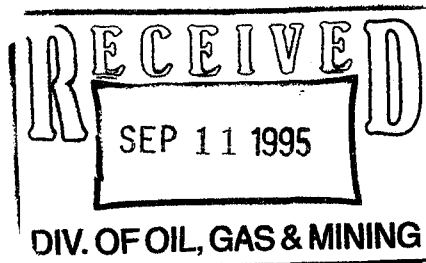
13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective August 1, 1995 Pioneer Oil and Gas assumed operations of the above referenced well. Pioneer is bonded under Nationwide Bonding #752-04-46 (UT-0797)

Former operator:

Cabot Oil and Gas Production Corporation

Signed: J. L. Batt
Title: J. L. Batt, Vice President
Date: August 30, 1995



14. I hereby certify that the foregoing is true and correct

Name & Signature

[Signature]

Title

Land Manager

Date

8/1/95

(Use Only)

COPY

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
UT-922

November 2, 1995

Pioneer Oil & Gas
1225 Ft. Union Boulevard, Suite 100
Midvale, Utah 84047

Re: South Pine Ridge Unit
San Juan County, Utah

Gentlemen:

On October 27, 1995, we received an indenture dated August 1, 1995, whereby Cabot Oil & Gas Production Corporation resigned as Unit Operator and Pioneer Oil & Gas was designated as Successor Unit Operator for the South Pine Ridge Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective November 2, 1995.

Your nationwide (Utah) oil and gas bond No. 0797 will be used to cover all operations within the South Pine Ridge Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
~~Division of Oil, Gas & Mining~~
Division of Mineral Adjudication
File - South Pine Ridge Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron
U-922-TA Thompson:tt:11-02-95

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1	EC 7-PL	
2	LWF 8-SJ	
3	DT 9-FILE	
4	VLC	
5	RJF	✓
6	LWP	✓

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-95)

TO (new operator) **PIONEER OIL & GAS**
 (address) **1225 FT UNION BLVD #100**
MIDVALE UT 84047

phone (801) **566-3000**
 account no. **N 3025**

FROM (former operator) **CABOT OIL & GAS PROD CORP**
 (address) **7400 E ORCHARD RD STE 360**
ENGLEWOOD CO 80111

phone (303) **721-5874**
 account no. **N6345**

Well(s) (attach additional page if needed):

***SOUTH PINE RIDGE UNIT**

Name: SO PINE RIDGE 7-6/ISMY	API: 43-037-30714	Entity: 2740	Sec 6 Twp 30S Rng 25E	Lease Type: U16577
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- LC 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 9-11-95)*
- LC 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 9-11-95)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- LC 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- LC 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-7-95)*
- LC 6. Cardex file has been updated for each well listed above. *11-16-95*
- LC 7. Well file labels have been updated for each well listed above. *11-16-95*
- LC 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(11-7-95)*
- LC 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- Y 2. A copy of this form has been placed in the new and former operators' bond files.
- Y 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 11/14/95 1995. If yes, division response was made by letter dated 11/14/95 1995.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 11/14/95 1995, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- Y 1. All attachments to this form have been microfilmed. Date: November 27 1995.

FILING

- Y 1. Copies of all attachments to this form have been filed in each well file.
- Y 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

95/1107 BLM/SL Apr. 11-2-95.